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Administration

Petroleum Supply Monthly

with data for March 2018

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Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
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- Imports by country of origin
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- Stocks
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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	324,690	--	--	236,086	7,587	-74	516,624	51,813	0	1,088,904
Hydrocarbon Gas Liquids	129,370	-621	19,571	6,731	--	-2,326	17,238	45,012	95,127	139,282
Natural Gas Liquids	129,370	-621	10,811	5,736	--	-2,058	17,238	45,012	85,104	133,627
Ethane	51,507	--	242	--	--	-2,486	--	7,223	47,012	50,260
Propane	41,511	--	9,155	4,640	--	-4,830	--	29,483	30,653	33,802
Normal Butane	10,425	--	1,512	681	--	3,682	5,063	3,421	452	21,699
Isobutane	11,603	--	-98	409	--	502	7,213	54	4,145	8,510
Natural Gasoline	14,324	-621	--	6	--	1,074	4,962	4,831	2,842	19,356
Refinery Olefins	--	--	8,760	995	--	-268	--	--	10,023	5,655
Ethylene	--	--	7	--	--	0	--	--	7	0
Propylene	--	--	8,548	715	--	-1,034	--	--	10,297	3,846
Butylene	--	--	228	280	--	765	--	--	-257	1,808
Isobutylene	--	--	-23	--	--	1	--	--	-24	1
Other Liquids	--	37,872	--	40,665	-2,975	-4,289	59,364	16,590	3,897	345,391
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	37,876	--	1,256	4,478	-1,213	37,369	7,453	0	30,526
Hydrogen	--	--	--	--	6,885	--	6,885	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,167	--	517	-333	275	--	2,076	0	1,711
Renewable Fuels (including Fuel Ethanol)	--	35,709	--	732	-2,109	-1,479	30,433	5,377	0	28,783
Fuel Ethanol ⁵	--	32,216	--	--	-60	-1,452	28,486	5,122	0	22,883
Renewable Fuels Except Fuel Ethanol	--	3,493	--	732	-2,049	-27	1,947	255	0	5,900
Other Hydrocarbons	--	--	--	7	35	-9	51	--	0	32
Unfinished Oils	--	--	--	19,163	--	7,980	-1,266	8,534	3,915	98,324
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-4	--	20,246	-7,453	-11,081	23,268	602	0	216,500
Reformulated	--	--	--	5,995	4,802	-4,748	15,531	14	0	49,704
Conventional	--	-4	--	14,251	-12,254	-6,333	7,737	589	0	166,796
Aviation Gasoline Blend. Comp.	--	--	--	--	--	25	-7	--	-18	41
Finished Petroleum Products	--	141	607,627	20,969	9,776	-7,069	--	106,842	538,739	288,174
Finished Motor Gasoline	--	141	311,601	1,184	7,513	-1,857	--	29,473	292,822	23,129
Reformulated	--	--	100,624	--	-3,906	0	--	--	96,718	45
Conventional	--	141	210,977	1,184	11,419	-1,857	--	29,473	196,104	23,084
Finished Aviation Gasoline	--	--	381	20	--	-3	--	--	404	1,004
Kerosene-Type Jet Fuel	--	--	55,301	2,959	--	-2,580	--	7,577	53,263	40,375
Kerosene	--	--	158	153	--	20	--	274	17	1,650
Distillate Fuel Oil ⁵	--	--	149,568	4,867	2,263	-8,187	--	35,658	129,227	130,391
15 ppm sulfur and under	--	--	139,542	3,545	2,263	-6,772	--	30,736	121,386	114,432
Greater than 15 ppm to 500 ppm sulfur	--	--	1,539	48	--	-1,550	--	2,778	359	4,439
Greater than 500 ppm sulfur	--	--	8,487	1,274	--	135	--	2,144	7,482	11,520
Residual Fuel Oil ⁶	--	--	12,481	7,256	--	2,281	--	10,544	6,912	35,042
Less than 0.31 percent sulfur	--	--	1,573	208	--	-151	--	NA	NA	2,343
0.31 to 1.00 percent sulfur	--	--	1,551	593	--	350	--	NA	NA	6,301
Greater than 1.00 percent sulfur	--	--	9,357	6,455	--	2,081	--	NA	NA	26,388
Petrochemical Feedstocks	--	--	9,277	728	--	10	--	--	9,995	3,255
Naphtha for Petro. Feed. Use	--	--	6,035	583	--	6	--	--	6,612	2,192
Other Oils for Petro. Feed. Use	--	--	3,242	145	--	4	--	--	3,383	1,063
Special Naphthas	--	--	1,251	347	--	-99	--	--	1,697	1,076
Lubricants	--	--	5,901	1,838	--	539	--	3,046	4,154	11,842
Waxes	--	--	119	141	--	-6	--	122	144	792
Petroleum Coke	--	--	27,740	529	--	-306	--	19,639	8,936	8,769
Marketable	--	--	20,885	529	--	-306	--	19,639	2,081	8,769
Catalyst	--	--	6,855	--	--	--	--	--	6,855	--
Asphalt and Road Oil	--	--	9,836	929	--	3,073	--	483	7,209	30,221
Still Gas	--	--	21,135	--	--	--	--	--	21,135	--
Miscellaneous Products	--	--	2,878	18	--	46	--	26	2,824	628
Total	454,060	37,392	627,198	304,451	14,388	-13,758	593,226	220,257	637,763	1,861,751

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	921,793	--	--	694,269	4,521	4,948	1,477,291	138,344	0	1,088,904
Hydrocarbon Gas Liquids	360,585	-1,842	43,250	21,259	--	-51,622	54,488	130,953	289,433	139,282
Natural Gas Liquids	360,585	-1,842	17,346	18,792	--	-51,197	54,488	130,953	260,637	133,627
Ethane	142,897	--	533	--	--	-5,359	--	19,624	129,165	50,260
Propane	116,249	--	26,564	16,098	--	-28,545	--	82,750	104,706	33,802
Normal Butane	28,970	--	-8,485	1,641	--	-16,622	21,568	12,076	5,104	21,699
Isobutane	32,852	--	-1,266	1,039	--	117	19,347	196	12,965	8,510
Natural Gasoline	39,617	-1,842	--	14	--	-788	13,573	16,309	8,695	19,356
Refinery Olefins	--	--	25,904	2,467	--	-425	--	--	28,796	5,655
Ethylene	--	--	12	--	--	0	--	--	12	0
Propylene	--	--	25,647	1,819	--	-996	--	--	28,462	3,846
Butylene	--	--	293	648	--	600	--	--	341	1,808
Isobutylene	--	--	-48	--	--	-29	--	--	-19	1
Other Liquids	--	110,308	--	109,288	-430	16,936	144,783	45,386	12,061	345,391
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	110,320	--	3,055	10,199	454	104,113	19,006	0	30,526
Hydrogen	--	--	--	--	19,125	--	19,125	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	6,723	--	1,073	-1,508	265	--	6,023	0	1,711
Renewable Fuels (including Fuel Ethanol)	--	103,597	--	1,967	-7,493	204	84,883	12,984	0	28,783
Fuel Ethanol ⁵	--	94,163	--	--	-1,940	-165	79,865	12,523	0	22,883
Renewable Fuels Except Fuel Ethanol	--	9,434	--	1,967	-5,553	369	5,018	460	0	5,900
Other Hydrocarbons	--	--	--	15	75	-15	105	--	0	32
Unfinished Oils	--	--	--	56,855	--	12,064	10,511	22,191	12,089	98,324
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-12	--	49,378	-10,629	4,392	30,157	4,188	0	216,500
Reformulated	--	--	--	18,016	17,965	-3,751	39,695	37	0	49,704
Conventional	--	-12	--	31,362	-28,594	8,143	-9,538	4,151	0	166,796
Aviation Gasoline Blend. Comp.	--	--	--	--	--	26	2	--	-28	41
Finished Petroleum Products	--	425	1,733,372	66,376	18,534	-3,463	--	302,254	1,519,915	288,174
Finished Motor Gasoline	--	425	881,097	2,678	12,569	-1,512	--	87,575	810,706	23,129
Reformulated	--	--	286,248	--	-17,129	5	--	--	269,114	45
Conventional	--	425	594,849	2,678	29,697	-1,517	--	87,575	541,592	23,084
Finished Aviation Gasoline	--	--	833	28	--	-37	--	--	898	1,004
Kerosene-Type Jet Fuel	--	--	155,002	9,624	--	-843	--	18,281	147,188	40,375
Kerosene	--	--	902	508	--	-488	--	604	1,294	1,650
Distillate Fuel Oil ⁵	--	--	433,217	21,823	5,965	-15,183	--	99,817	376,371	130,391
15 ppm sulfur and under	--	--	401,274	17,449	5,965	-13,459	--	82,295	355,852	114,432
Greater than 15 ppm to 500 ppm sulfur	--	--	8,277	718	--	-3,130	--	10,436	1,689	4,439
Greater than 500 ppm sulfur	--	--	23,666	3,656	--	1,406	--	7,087	18,829	11,520
Residual Fuel Oil ⁶	--	--	39,883	19,184	--	5,683	--	28,023	25,361	35,042
Less than 0.31 percent sulfur	--	--	5,083	1,735	--	195	--	NA	NA	2,343
0.31 to 1.00 percent sulfur	--	--	5,536	1,764	--	-300	--	NA	NA	6,301
Greater than 1.00 percent sulfur	--	--	29,264	15,685	--	5,784	--	NA	NA	26,388
Petrochemical Feedstocks	--	--	25,848	2,227	--	354	--	--	27,721	3,255
Naphtha for Petro. Feed. Use	--	--	17,762	1,891	--	343	--	--	19,310	2,192
Other Oils for Petro. Feed. Use	--	--	8,086	336	--	11	--	--	8,411	1,063
Special Naphthas	--	--	3,481	1,367	--	-116	--	--	4,964	1,076
Lubricants	--	--	16,770	4,090	--	-179	--	10,682	10,357	11,842
Waxes	--	--	343	432	--	-65	--	331	509	792
Petroleum Coke	--	--	79,763	1,502	--	250	--	55,297	25,718	8,769
Marketable	--	--	59,337	1,502	--	250	--	55,297	5,292	8,769
Catalyst	--	--	20,426	--	--	--	--	--	20,426	--
Asphalt and Road Oil	--	--	27,019	2,866	--	8,715	--	1,513	19,657	30,221
Still Gas	--	--	61,022	--	--	--	--	--	61,022	--
Miscellaneous Products	--	--	8,192	47	--	-42	--	131	8,150	628
Total	1,282,378	108,891	1,776,622	891,192	22,625	-33,201	1,676,562	616,937	1,821,409	1,861,751

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	10,474	--	--	7,616	245	-2	16,665	1,671	0
Hydrocarbon Gas Liquids	4,173	-20	631	217	--	-75	556	1,452	3,069
Natural Gas Liquids	4,173	-20	349	185	--	-66	556	1,452	2,745
Ethane	1,662	--	8	--	--	-80	--	233	1,517
Propane	1,339	--	295	150	--	-156	--	951	989
Normal Butane	336	--	49	22	--	119	163	110	15
Isobutane	374	--	-3	13	--	16	233	2	134
Natural Gasoline	462	-20	--	0	--	35	160	156	92
Refinery Olefins	--	--	283	32	--	-9	--	--	323
Ethylene	--	--	0	--	--	0	--	--	0
Propylene	--	--	276	23	--	-33	--	--	332
Butylene	--	--	7	9	--	25	--	--	-8
Isobutylene	--	--	-1	--	--	0	--	--	-1
Other Liquids	--	1,222	--	1,312	-96	-138	1,915	535	126
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,222	--	41	144	-39	1,205	240	0
Hydrogen	--	--	--	--	222	--	222	--	0
Oxygenates (excluding Fuel Ethanol)	--	70	--	17	-11	9	--	67	0
Renewable Fuels (including Fuel Ethanol)	--	1,152	--	24	-68	-48	982	173	0
Fuel Ethanol ⁵	--	1,039	--	--	-2	-47	919	165	0
Renewable Fuels Except Fuel Ethanol	--	113	--	24	-66	-1	63	8	0
Other Hydrocarbons	--	--	--	0	1	0	2	--	0
Unfinished Oils	--	--	--	618	--	257	-41	275	126
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	653	-240	-357	751	19	0
Reformulated	--	--	--	193	155	-153	501	0	0
Conventional	--	0	--	460	-395	-204	250	19	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	1	0	--	-1
Finished Petroleum Products	--	5	19,601	676	315	-228	--	3,447	17,379
Finished Motor Gasoline	--	5	10,052	38	242	-60	--	951	9,446
Reformulated	--	--	3,246	--	-126	0	--	--	3,120
Conventional	--	5	6,806	38	368	-60	--	951	6,326
Finished Aviation Gasoline	--	--	12	1	--	0	--	--	13
Kerosene-Type Jet Fuel	--	--	1,784	95	--	-83	--	244	1,718
Kerosene	--	--	5	5	--	1	--	9	1
Distillate Fuel Oil ⁵	--	--	4,825	157	73	-264	--	1,150	4,169
15 ppm sulfur and under	--	--	4,501	114	73	-218	--	991	3,916
Greater than 15 ppm to 500 ppm sulfur	--	--	50	2	--	-50	--	90	12
Greater than 500 ppm sulfur	--	--	274	41	--	4	--	69	241
Residual Fuel Oil ⁶	--	--	403	234	--	74	--	340	223
Less than 0.31 percent sulfur	--	--	51	7	--	-5	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	50	19	--	11	--	NA	NA
Greater than 1.00 percent sulfur	--	--	302	208	--	67	--	NA	NA
Petrochemical Feedstocks	--	--	299	23	--	0	--	--	322
Naphtha for Petro. Feed. Use	--	--	195	19	--	0	--	--	213
Other Oils for Petro. Feed. Use	--	--	105	5	--	0	--	--	109
Special Naphthas	--	--	40	11	--	-3	--	--	55
Lubricants	--	--	190	59	--	17	--	98	134
Waxes	--	--	4	5	--	0	--	4	5
Petroleum Coke	--	--	895	17	--	-10	--	634	288
Marketable	--	--	674	17	--	-10	--	634	67
Catalyst	--	--	221	--	--	--	--	--	221
Asphalt and Road Oil	--	--	317	30	--	99	--	16	233
Still Gas	--	--	682	--	--	--	--	--	682
Miscellaneous Products	--	--	93	1	--	1	--	1	91
Total	14,647	1,206	20,232	9,821	464	-444	19,136	7,105	20,573

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	10,242	--	--	7,714	50	55	16,414	1,537	0
Hydrocarbon Gas Liquids	4,007	-20	481	236	--	-574	605	1,455	3,216
Natural Gas Liquids	4,007	-20	193	209	--	-569	605	1,455	2,896
Ethane	1,588	--	--	--	--	-60	--	218	1,435
Propane	1,292	--	295	179	--	-317	--	919	1,163
Normal Butane	322	--	-94	18	--	-185	240	134	57
Isobutane	365	--	-130	12	--	1	215	2	144
Natural Gasoline	440	-20	--	0	--	-9	151	181	97
Refinery Olefins	--	--	288	27	--	-5	--	--	320
Ethylene	--	--	0	--	--	0	--	--	0
Propylene	--	--	285	20	--	-11	--	--	316
Butylene	--	--	3	7	--	7	--	--	4
Isobutylene	--	--	35	--	--	0	--	--	0
Other Liquids	--	1,226	--	1,214	-5	188	1,609	504	134
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,226	--	34	113	5	1,157	211	0
Hydrogen	--	--	--	--	213	--	213	--	0
Oxygenates (excluding Fuel Ethanol)	--	75	--	12	-17	3	--	67	0
Renewable Fuels (including Fuel Ethanol)	--	1,151	--	22	-83	2	943	144	0
Fuel Ethanol ⁵	--	1,046	--	--	-22	-2	887	139	0
Renewable Fuels Except Fuel Ethanol	--	105	--	22	-62	4	56	5	0
Other Hydrocarbons	--	--	--	0	1	0	1	--	0
Unfinished Oils	--	--	--	632	--	134	117	247	134
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	549	-118	49	335	47	0
Reformulated	--	--	--	200	200	-42	441	0	0
Conventional	--	0	--	348	-318	90	-106	46	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	5	19,260	738	206	-38	--	3,358	16,888
Finished Motor Gasoline	--	5	9,790	30	140	-17	--	973	9,008
Reformulated	--	--	3,181	--	-190	0	--	--	2,990
Conventional	--	5	6,609	30	330	-17	--	973	6,018
Finished Aviation Gasoline	--	--	9	0	--	0	--	--	10
Kerosene-Type Jet Fuel	--	--	1,722	107	--	-9	--	203	1,635
Kerosene	--	--	10	6	--	-5	--	7	14
Distillate Fuel Oil ⁵	--	--	4,814	242	66	-169	--	1,109	4,182
15 ppm sulfur and under	--	--	4,459	194	66	-150	--	914	3,954
Greater than 15 ppm to 500 ppm sulfur	--	--	92	8	--	-35	--	116	19
Greater than 500 ppm sulfur	--	--	263	41	--	16	--	79	209
Residual Fuel Oil ⁶	--	--	443	213	--	63	--	311	282
Less than 0.31 percent sulfur	--	--	56	19	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	62	20	--	-3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	325	174	--	64	--	NA	NA
Petrochemical Feedstocks	--	--	287	25	--	4	--	--	308
Naphtha for Petro. Feed. Use	--	--	197	21	--	4	--	--	215
Other Oils for Petro. Feed. Use	--	--	90	4	--	0	--	--	93
Special Naphthas	--	--	39	15	--	-1	--	--	55
Lubricants	--	--	186	45	--	-2	--	119	115
Waxes	--	--	4	5	--	-1	--	4	6
Petroleum Coke	--	--	886	17	--	3	--	614	286
Marketable	--	--	659	17	--	3	--	614	59
Catalyst	--	--	227	--	--	--	--	--	227
Asphalt and Road Oil	--	--	300	32	--	97	--	17	218
Still Gas	--	--	678	--	--	--	--	--	678
Miscellaneous Products	--	--	91	1	--	0	--	1	91
Total	14,249	1,210	19,740	9,902	251	-369	18,628	6,855	20,238

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	1,655	--	--	21,057	6,776	1,686	-596	28,513	3,257	0	11,767
Hydrocarbon Gas Liquids	14,430	-13	544	1,439	-754	--	-758	1,587	1,573	13,244	4,203
Natural Gas Liquids	14,430	-13	442	1,156	-1,081	--	-779	1,587	1,573	12,553	4,073
Ethane	6,205	--	--	--	--	--	-224	--	529	1,993	398
Propane	4,792	--	568	1,064	3,197	--	-575	--	970	9,226	2,534
Normal Butane	1,421	--	-65	22	92	--	109	895	14	452	699
Isobutane	710	--	-61	70	-230	--	12	457	1	19	203
Natural Gasoline	1,302	-13	--	--	-233	--	-101	235	60	862	239
Refinery Olefins	--	--	102	283	--	--	21	--	--	691	130
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	126	283	--	--	-47	--	--	783	30
Butylene	--	--	-24	--	--	--	68	--	--	-92	100
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	1,006	--	16,997	57,157	4,949	-4,349	84,221	270	-33	69,777
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	1,009	--	247	10,034	-788	-539	10,800	241	0	8,881
Hydrogen	--	--	--	--	--	92	--	92	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	1,009	--	247	10,034	-881	-539	10,708	240	0	8,881
Fuel Ethanol	--	770	--	--	10,034	-907	-731	10,402	226	0	7,004
Renewable Fuels Except Fuel Ethanol	--	239	--	247	--	26	192	306	14	0	1,877
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	398	-48	--	963	-603	23	-33	6,190
Motor Gasoline Blend.Comp. (MGBC)	--	-3	--	16,352	47,171	5,737	-4,773	74,024	6	0	54,706
Reformulated	--	--	--	5,995	6,715	2,463	-2,403	17,573	3	0	18,722
Conventional	--	-3	--	10,357	40,456	3,274	-2,370	56,451	3	0	35,984
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	114,789	11,626	46,228	-4,855	-6,423	--	4,071	170,140	71,606
Finished Motor Gasoline	--	--	99,790	1,184	6,101	-4,830	26	--	35	102,184	3,666
Reformulated	--	--	39,538	--	--	-1,661	1	--	--	37,876	29
Conventional	--	--	60,252	1,184	6,101	-3,169	25	--	35	64,308	3,637
Finished Aviation Gasoline	--	--	--	20	53	--	25	--	--	48	196
Kerosene-Type Jet Fuel	--	--	2,164	1,140	15,087	--	-1,964	--	26	20,329	8,865
Kerosene	--	--	31	153	--	--	-67	--	2	249	1,368
Distillate Fuel Oil ⁶	--	--	8,590	4,353	22,667	-25	-5,847	--	1,809	39,623	40,804
15 ppm sulfur and under	--	--	7,369	3,255	21,070	-25	-3,891	--	1,348	34,212	33,752
Greater than 15 ppm to 500 ppm sulfur	--	--	15	48	26	--	-1,459	--	461	1,087	2,537
Greater than 500 ppm sulfur	--	--	1,206	1,050	1,571	--	-497	--	--	4,324	4,515
Residual Fuel Oil ⁷	--	--	915	3,958	94	--	731	--	1,451	2,785	7,884
Less than 0.31 percent sulfur	--	--	75	--	--	--	-204	--	NA	NA	918
0.31 to 1.00 percent sulfur	--	--	291	125	--	--	216	--	NA	NA	1,677
Greater than 1.00 percent sulfur	--	--	549	3,833	94	--	719	--	NA	NA	5,289
Petrochemical Feedstocks	--	--	108	4	36	--	12	--	--	136	89
Naphtha for Petro. Feed. Use	--	--	108	4	36	--	12	--	--	136	89
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	20	--	--	--	-5	--	--	25	41
Lubricants	--	--	427	157	274	--	-34	--	204	688	965
Waxes	--	--	15	85	--	--	8	--	60	32	547
Petroleum Coke	--	--	880	--	797	--	--	--	395	1,282	--
Marketable	--	--	393	--	797	--	--	--	395	795	--
Catalyst	--	--	487	--	--	--	--	--	--	487	--
Asphalt and Road Oil	--	--	529	572	1,119	--	691	--	68	1,461	7,154
Still Gas	--	--	1,255	--	--	--	--	--	--	1,255	--
Miscellaneous Products	--	--	65	--	--	--	1	--	21	43	27
Total	16,085	993	115,333	51,119	109,408	1,780	-12,126	114,321	9,173	183,351	157,353

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	4,654	--	--	70,447	17,364	2,100	288	88,711	5,565	0	11,767
Hydrocarbon Gas Liquids	41,598	-39	1,717	6,716	2,183	--	-4,274	4,760	5,747	45,942	4,203
Natural Gas Liquids	41,598	-39	1,100	6,108	1,436	--	-4,072	4,760	5,747	43,768	--
Ethane	18,335	--	--	--	--	--	-56	--	2,713	2,821	--
Propane	13,532	--	1,707	5,811	13,690	--	-3,311	--	2,807	35,244	--
Normal Butane	4,015	--	-477	110	861	--	-651	3,029	47	2,084	--
Isobutane	2,011	--	-130	187	-5	--	27	1,269	2	765	--
Natural Gasoline	3,705	-39	--	--	-253	--	-81	462	178	2,854	--
Refinery Olefins	--	--	617	608	--	--	-202	--	--	2,174	--
Ethylene	--	--	5	--	--	--	--	--	--	5	--
Propylene	--	--	678	608	--	--	-124	--	--	2,157	--
Butylene	--	--	-101	--	--	--	-48	--	--	-53	--
Isobutylene	--	--	35	--	--	--	-30	--	--	65	--
Other Liquids	--	2,797	--	44,925	166,131	20,665	648	233,143	872	-145	69,777
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	2,806	--	517	27,465	73	70	30,257	534	0	8,881
Hydrogen	--	--	--	--	--	276	--	276	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	5	--	--	5	0	--
Renewable Fuels (including Fuel Ethanol)	--	2,806	--	517	27,465	-208	70	29,981	529	0	8,881
Fuel Ethanol	--	2,219	--	--	27,010	342	-10	29,084	497	0	7,004
Renewable Fuels Except Fuel Ethanol	--	587	--	517	455	-550	80	897	32	0	1,877
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2,202	-59	--	977	1,253	58	-145	6,190
Motor Gasoline Blend.Comp. (MGBC)	--	-9	--	42,206	138,725	20,592	-399	201,633	280	0	54,706
Reformulated	--	--	--	17,641	22,044	8,152	-1,141	48,974	4	0	18,722
Conventional	--	-9	--	24,565	116,681	12,440	742	152,659	276	0	35,984
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	328,740	40,536	144,155	-20,382	-11,473	--	10,569	493,952	71,606
Finished Motor Gasoline	--	--	280,105	2,598	19,580	-20,934	-1,839	--	196	282,993	3,666
Reformulated	--	--	113,158	--	--	-7,472	5	--	--	105,681	29
Conventional	--	--	166,947	2,598	19,580	-13,462	-1,844	--	196	177,311	3,637
Finished Aviation Gasoline	--	--	--	22	182	--	21	--	--	183	196
Kerosene-Type Jet Fuel	--	--	7,224	4,550	42,592	--	-644	--	366	54,644	8,865
Kerosene	--	--	374	506	286	--	-430	--	5	1,591	1,368
Distillate Fuel Oil ⁶	--	--	26,337	19,783	76,048	551	-11,873	--	2,320	132,272	40,804
15 ppm sulfur and under	--	--	21,532	16,249	69,149	551	-10,106	--	1,362	116,225	33,752
Greater than 15 ppm to 500 ppm sulfur	--	--	-33	718	642	--	-2,055	--	638	2,744	2,537
Greater than 500 ppm sulfur	--	--	4,838	2,816	6,257	--	288	--	320	13,303	4,515
Residual Fuel Oil ⁷	--	--	3,775	10,401	164	--	580	--	3,253	10,507	7,884
Less than 0.31 percent sulfur	--	--	646	692	--	--	-272	--	NA	NA	918
0.31 to 1.00 percent sulfur	--	--	1,356	884	--	--	251	--	NA	NA	1,677
Greater than 1.00 percent sulfur	--	--	1,773	8,825	164	--	601	--	NA	NA	5,289
Petrochemical Feedstocks	--	--	239	4	27	--	-9	--	--	279	89
Naphtha for Petro. Feed. Use	--	--	239	4	36	--	-9	--	--	288	89
Other Oils for Petro. Feed. Use	--	--	--	--	-9	--	--	--	--	-9	--
Special Naphthas	--	--	57	--	--	--	-6	--	--	63	41
Lubricants	--	--	1,213	493	1,125	--	-97	--	1,289	1,639	965
Waxes	--	--	19	194	--	--	20	--	181	12	547
Petroleum Coke	--	--	2,868	170	1,359	--	--	--	2,673	1,723	--
Marketable	--	--	1,197	170	1,359	--	--	--	2,673	52	--
Catalyst	--	--	1,671	--	--	--	--	--	--	1,671	--
Asphalt and Road Oil	--	--	2,382	1,815	2,792	--	2,806	--	240	3,943	7,154
Still Gas	--	--	3,902	--	--	--	--	--	--	3,902	--
Miscellaneous Products	--	--	245	--	--	--	-2	--	45	202	27
Total	46,252	2,758	330,457	162,624	329,832	2,382	-14,811	326,614	22,753	539,749	157,353

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	53	--	--	679	219	54	-19	920	105	0
Hydrocarbon Gas Liquids	465	0	18	46	-24	--	-24	51	51	427
Natural Gas Liquids	465	0	14	37	-35	--	-25	51	51	405
Ethane	200	--	--	--	--	--	-7	--	17	64
Propane	155	--	18	34	103	--	-19	--	--	298
Normal Butane	46	--	-2	1	3	--	4	29	0	15
Isobutane	23	--	-2	2	-7	--	0	15	0	1
Natural Gasoline	42	0	--	--	-8	--	-3	8	2	28
Refinery Olefins	--	--	3	9	--	--	1	--	--	22
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	4	9	11	--	-2	--	--	25
Butylene	--	--	-1	--	--	--	2	--	--	-3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	32	--	548	1,844	160	-140	2,717	9	-1
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	33	--	8	324	-25	-17	348	8	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) ...	--	33	--	8	324	-28	-17	345	8	0
Fuel Ethanol ⁶	--	25	--	--	324	-29	-24	336	7	0
Renewable Fuels Except Fuel Ethanol	--	8	--	8	--	1	6	10	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	13	-2	--	31	-19	1	-1
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	0	--	527	1,522	185	-154	2,388	0	0
Reformulated	--	--	--	193	217	79	-78	567	0	0
Conventional	--	0	--	334	1,305	106	-76	1,821	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,703	375	1,491	-157	-207	--	131	5,488
Finished Motor Gasoline	--	--	3,219	38	197	-156	1	--	1	3,296
Reformulated	--	--	1,275	--	--	-54	0	--	--	1,222
Conventional	--	--	1,944	38	197	-102	1	--	1	2,074
Finished Aviation Gasoline	--	--	--	1	2	--	1	--	--	2
Kerosene-Type Jet Fuel	--	--	70	37	487	--	-63	--	1	656
Kerosene	--	--	1	5	--	--	-2	--	0	8
Distillate Fuel Oil ⁶	--	--	277	140	731	-1	-189	--	58	1,278
15 ppm sulfur and under	--	--	238	105	680	-1	-126	--	43	1,104
Greater than 15 ppm to 500 ppm sulfur	--	--	0	2	1	--	-47	--	15	35
Greater than 500 ppm sulfur	--	--	39	34	51	--	-16	--	--	139
Residual Fuel Oil ⁷	--	--	30	128	3	--	24	--	47	90
Less than 0.31 percent sulfur	--	--	2	--	--	--	-7	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	4	--	--	7	--	NA	NA
Greater than 1.00 percent sulfur	--	--	18	124	3	--	23	--	NA	NA
Petrochemical Feedstocks	--	--	3	0	1	--	0	--	--	4
Naphtha for Petro. Feed. Use	--	--	3	0	1	--	0	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	14	5	9	--	-1	--	7	22
Waxes	--	--	0	3	--	--	0	--	2	1
Petroleum Coke	--	--	28	--	26	--	--	--	13	41
Marketable	--	--	13	--	26	--	--	--	13	26
Catalyst	--	--	16	--	--	--	--	--	--	16
Asphalt and Road Oil	--	--	17	18	36	--	22	--	2	47
Still Gas	--	--	40	--	--	--	--	--	--	40
Miscellaneous Products	--	--	2	--	--	--	0	--	1	1
Total	519	32	3,720	1,649	3,529	57	-391	3,688	296	5,915

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix

D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	52	--	--	783	193	23	3	986	62	0
Hydrocarbon Gas Liquids	462	0	19	75	24	--	-47	53	64	510
Natural Gas Liquids	462	0	12	68	16	--	-45	53	64	486
Ethane	204	--	--	--	--	--	-1	--	30	31
Propane	150	--	19	65	152	--	-37	--	--	392
Normal Butane	45	--	-5	1	10	--	-7	34	1	23
Isobutane	22	--	-1	2	0	--	0	14	0	8
Natural Gasoline	41	0	--	--	-3	--	-1	5	2	32
Refinery Olefins	--	--	7	7	--	--	-2	--	--	24
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	8	7	8	--	-1	--	--	24
Butylene	--	--	-1	--	--	--	-1	--	--	-1
Isobutylene	--	--	0	--	--	--	0	--	--	1
Other Liquids	--	31	--	499	1,846	230	7	2,590	10	-2
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	31	--	6	305	1	1	336	6	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) ...	--	31	--	6	305	-2	1	333	6	0
Fuel Ethanol ⁶	--	25	--	--	300	4	0	323	6	0
Renewable Fuels Except Fuel Ethanol	--	7	--	6	5	-6	1	10	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	24	-1	--	11	14	1	-2
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	0	--	469	1,541	229	-4	2,240	3	0
Reformulated	--	--	--	196	245	91	-13	544	0	0
Conventional	--	0	--	273	1,296	138	8	1,696	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,653	450	1,602	-226	-127	--	117	5,488
Finished Motor Gasoline	--	--	3,112	29	218	-233	-20	--	2	3,144
Reformulated	--	--	1,257	--	--	-83	0	--	--	1,174
Conventional	--	--	1,855	29	218	-150	-20	--	2	1,970
Finished Aviation Gasoline	--	--	--	0	2	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	80	51	473	--	-7	--	4	607
Kerosene	--	--	4	6	3	--	-5	--	0	18
Distillate Fuel Oil ⁶	--	--	293	220	845	6	-132	--	26	1,470
15 ppm sulfur and under	--	--	239	181	768	6	-112	--	15	1,291
Greater than 15 ppm to 500 ppm sulfur	--	--	0	8	7	--	-23	--	7	30
Greater than 500 ppm sulfur	--	--	54	31	70	--	3	--	4	148
Residual Fuel Oil ⁷	--	--	42	116	2	--	6	--	36	117
Less than 0.31 percent sulfur	--	--	7	8	--	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	10	--	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	98	2	--	7	--	NA	NA
Petrochemical Feedstocks	--	--	3	0	0	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	3	0	0	--	0	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	--	0	--	--	--	--	0
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	13	5	13	--	-1	--	14	18
Waxes	--	--	0	2	--	--	0	--	2	0
Petroleum Coke	--	--	32	2	15	--	--	--	30	19
Marketable	--	--	13	2	15	--	--	--	30	1
Catalyst	--	--	19	--	--	--	--	--	--	19
Asphalt and Road Oil	--	--	26	20	31	--	31	--	3	44
Still Gas	--	--	43	--	--	--	--	--	--	43
Miscellaneous Products	--	--	3	--	--	--	0	--	1	2
Total	514	31	3,672	1,807	3,665	26	-165	3,629	253	5,997

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix

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⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	59,120	--	--	83,886	-9,105	-4,996	10,471	114,909	3,525	0	121,570
Hydrocarbon Gas Liquids	29,158	-570	3,062	3,057	-10,153	--	-879	3,073	8,063	14,297	32,860
Natural Gas Liquids	29,158	-570	1,806	2,583	-9,396	--	-837	3,073	8,063	13,282	32,375
Ethane	10,643	--	--	--	--	--	-792	--	2,952	1,880	5,594
Propane	10,325	--	2,282	2,095	-7,747	--	-426	--	169	7,212	9,745
Normal Butane	3,469	--	-300	206	-2,006	--	325	641	260	143	5,740
Isobutane	1,703	--	-176	276	295	--	-315	1,722	0	691	1,653
Natural Gasoline	3,018	-570	--	6	6,665	--	371	710	4,682	3,356	9,643
Refinery Olefins	--	--	1,256	474	--	--	-42	--	--	1,015	485
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,238	431	--	--	-37	--	--	949	328
Butylene	--	--	18	43	--	--	-5	--	--	66	157
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	31,918	--	605	-17,705	-846	-2,359	15,872	2,937	-2,477	74,519
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	31,919	--	70	-24,326	1,699	-543	9,195	710	0	9,839
Hydrogen	--	--	--	--	--	1,104	--	1,104	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	0	--	1	0	6
Renewable Fuels (including Fuel Ethanol)	--	31,919	--	70	-24,326	552	-534	8,040	709	0	9,801
Fuel Ethanol	--	29,566	--	--	-23,784	1,834	-541	7,583	574	0	8,787
Renewable Fuels Except Fuel Ethanol	--	2,353	--	70	-542	-1,282	7	457	135	0	1,014
Other Hydrocarbons	--	--	--	--	--	42	-9	51	--	0	32
Unfinished Oils	--	--	--	24	-108	--	-42	210	2,225	-2,477	13,398
Motor Gasoline Blend Comp. (MGBC)	--	-1	--	511	6,729	-2,544	-1,774	6,467	2	0	51,282
Reformulated	--	--	--	--	1,289	44	-539	1,872	0	0	6,239
Conventional	--	-1	--	511	5,440	-2,589	-1,235	4,595	1	0	45,043
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	141	137,613	1,085	1,844	1,993	-124	--	579	142,221	64,326
Finished Motor Gasoline	--	141	78,334	--	164	710	-844	--	90	80,103	5,984
Reformulated	--	--	11,434	--	--	128	--	--	--	11,562	--
Conventional	--	141	66,900	--	164	583	-844	--	90	68,541	5,984
Finished Aviation Gasoline	--	--	62	--	10	--	30	--	--	42	205
Kerosene-Type Jet Fuel	--	--	7,670	--	1,009	--	-424	--	37	9,066	7,535
Kerosene	--	--	1	--	--	--	-21	--	1	21	98
Distillate Fuel Oil	--	--	34,097	207	3,098	1,282	-410	--	45	39,049	32,245
15 ppm sulfur and under	--	--	34,231	134	3,021	1,282	-225	--	0	38,893	31,546
Greater than 15 ppm to 500 ppm sulfur	--	--	114	--	77	--	-65	--	26	230	245
Greater than 500 ppm sulfur	--	--	-248	73	--	--	-120	--	19	-74	454
Residual Fuel Oil ⁶	--	--	1,273	227	-715	--	54	--	120	611	1,218
Less than 0.31 percent sulfur	--	--	--	1	--	--	30	--	NA	NA	42
0.31 to 1.00 percent sulfur	--	--	210	97	-64	--	15	--	NA	NA	152
Greater than 1.00 percent sulfur	--	--	1,063	129	-651	--	9	--	NA	NA	1,024
Petrochemical Feedstocks	--	--	863	183	-81	--	17	--	--	948	633
Naphtha for Petro. Feed. Use	--	--	511	89	-81	--	18	--	--	501	455
Other Oils for Petro. Feed. Use	--	--	352	94	--	--	-1	--	--	447	178
Special Naphthas	--	--	70	52	33	--	10	--	--	145	139
Lubricants	--	--	0	139	217	--	-163	--	182	337	633
Waxes	--	--	1	4	--	--	-22	--	36	-9	33
Petroleum Coke	--	--	5,475	37	-1,178	--	223	--	31	4,080	2,351
Marketable	--	--	4,020	37	-1,178	--	223	--	31	2,625	2,351
Catalyst	--	--	1,455	--	--	--	--	--	--	1,455	--
Asphalt and Road Oil	--	--	4,892	235	-728	--	1,426	--	33	2,940	13,140
Still Gas	--	--	4,370	--	--	--	--	--	--	4,370	--
Miscellaneous Products	--	--	505	1	15	--	0	--	2	519	112
Total	88,278	31,489	140,675	88,633	-35,119	-3,849	7,109	133,854	15,103	154,040	293,275

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NA = Not Available.

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³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

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⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	170,177	--	--	247,009	-58,746	-23,882	-10,173	332,574	12,158	0	121,570
Hydrocarbon Gas Liquids	81,955	-1,690	4,737	9,386	-28,036	--	-17,269	9,789	24,410	49,422	32,860
Natural Gas Liquids	81,955	-1,690	1,021	8,024	-26,111	--	-17,001	9,789	24,410	46,001	--
Ethane	29,505	--	--	--	--	--	561	--	7,380	6,227	--
Propane	29,381	--	6,617	6,895	-20,156	--	-10,274	--	458	32,553	--
Normal Butane	10,063	--	-55	423	-5,113	--	-6,075	3,520	690	2,277	--
Isobutane	4,517	--	-630	692	44	--	-507	4,253	1	876	--
Natural Gasoline	8,489	-1,690	--	14	14,451	--	-706	2,016	15,885	4,069	--
Refinery Olefins	--	--	3,716	1,362	--	--	-268	--	--	3,421	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	3,746	1,209	--	--	-310	--	--	3,340	--
Butylene	--	--	-30	153	--	--	42	--	--	81	--
Isobutylene	--	--	--	--	--	--	0	--	--	0	--
Other Liquids	--	92,899	--	1,651	-45,840	-3,726	4,998	38,714	7,477	-6,205	74,519
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	92,902	--	108	-66,283	478	-540	26,083	1,661	0	9,839
Hydrogen	--	--	--	--	--	3,453	--	3,453	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	-1	--	3	0	6
Renewable Fuels (including Fuel Ethanol)	--	92,902	--	108	-66,283	-3,067	-524	22,525	1,659	0	9,801
Fuel Ethanol	--	86,520	--	--	-64,304	375	-293	21,415	1,469	0	8,787
Renewable Fuels Except Fuel Ethanol	--	6,382	--	108	-1,979	-3,442	-231	1,110	190	0	1,014
Other Hydrocarbons	--	--	--	--	--	90	-15	105	--	0	32
Unfinished Oils	--	--	--	170	840	--	-70	1,479	5,806	-6,205	13,398
Motor Gasoline Blend Comp. (MGBC)	--	-3	--	1,373	19,603	-4,204	5,608	11,152	9	0	51,282
Reformulated	--	--	--	64	5,456	-2,247	76	3,197	0	0	6,239
Conventional	--	-3	--	1,309	14,147	-1,957	5,532	7,955	9	0	45,043
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	425	396,566	2,790	7,779	7,281	7,849	--	1,881	405,111	64,326
Finished Motor Gasoline	--	425	223,809	--	401	3,829	-552	--	221	228,795	5,984
Reformulated	--	--	32,533	--	--	2,942	--	--	--	35,475	--
Conventional	--	425	191,276	--	401	887	-552	--	221	193,320	5,984
Finished Aviation Gasoline	--	--	120	3	2	--	47	--	--	78	205
Kerosene-Type Jet Fuel	--	--	22,376	--	3,359	--	635	--	117	24,983	7,535
Kerosene	--	--	419	2	12	--	-22	--	9	446	98
Distillate Fuel Oil	--	--	99,507	561	9,871	3,452	3,450	--	199	109,742	32,245
15 ppm sulfur and under	--	--	99,184	456	9,631	3,452	3,414	--	0	109,309	31,546
Greater than 15 ppm to 500 ppm sulfur	--	--	438	--	240	--	-79	--	101	656	245
Greater than 500 ppm sulfur	--	--	-115	105	--	--	115	--	97	-222	454
Residual Fuel Oil ⁶	--	--	3,943	460	-2,185	--	-15	--	458	1,775	1,218
Less than 0.31 percent sulfur	--	--	--	1	--	--	-67	--	NA	NA	42
0.31 to 1.00 percent sulfur	--	--	723	227	-226	--	-32	--	NA	NA	152
Greater than 1.00 percent sulfur	--	--	3,220	232	-1,959	--	84	--	NA	NA	1,024
Petrochemical Feedstocks	--	--	2,550	483	-277	--	145	--	--	2,611	633
Naphtha for Petro. Feed. Use	--	--	1,682	251	-218	--	103	--	--	1,612	455
Other Oils for Petro. Feed. Use	--	--	868	232	-59	--	42	--	--	999	178
Special Naphthas	--	--	180	148	89	--	38	--	--	379	139
Lubricants	--	--	421	479	680	--	-250	--	527	1,303	633
Waxes	--	--	68	16	--	--	-30	--	81	33	33
Petroleum Coke	--	--	16,330	76	-2,266	--	834	--	122	13,183	2,351
Marketable	--	--	12,103	76	-2,266	--	834	--	122	8,956	2,351
Catalyst	--	--	4,227	--	--	--	--	--	--	4,227	--
Asphalt and Road Oil	--	--	12,736	558	-1,932	--	3,582	--	139	7,641	13,140
Still Gas	--	--	12,686	--	--	--	--	--	--	12,686	--
Miscellaneous Products	--	--	1,421	4	25	--	-13	--	7	1,456	112
Total	252,132	91,634	401,303	260,836	-124,843	-20,327	-14,595	381,077	45,925	448,328	293,275

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,907	--	--	2,706	-294	-161	338	3,707	114	0
Hydrocarbon Gas Liquids	941	-18	99	99	-328	--	-28	99	260	461
Natural Gas Liquids	941	-18	58	83	-303	--	-27	99	260	428
Ethane	343	--	--	--	--	--	-26	--	95	61
Propane	333	--	74	68	-250	--	-14	--	5	233
Normal Butane	112	--	1,554	7	-65	--	10	21	8	5
Isobutane	55	--	-6	9	10	--	-10	56	0	22
Natural Gasoline	97	-18	--	0	215	--	12	23	151	108
Refinery Olefins	--	--	41	15	--	--	-1	--	--	33
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	40	14	-24	--	-1	--	--	31
Butylene	--	--	1	1	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1,030	--	20	-571	-27	-76	512	95	-80
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,030	--	2	-785	55	-18	297	23	0
Hydrogen	--	--	--	--	--	36	--	36	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,030	--	2	-785	18	-17	259	23	0
Fuel Ethanol	--	954	--	--	-767	59	-17	245	19	0
Renewable Fuels Except Fuel Ethanol	--	76	--	2	-17	-41	0	15	4	0
Other Hydrocarbons	--	--	--	--	--	1	0	2	--	0
Unfinished Oils	--	--	--	1	-3	--	-1	7	72	-80
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	16	217	-82	-57	209	0	0
Reformulated	--	--	--	--	42	1	-17	60	0	0
Conventional	--	0	--	16	175	-84	-40	148	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	5	4,439	35	59	64	-4	--	19	4,588
Finished Motor Gasoline	--	5	2,527	--	5	23	-27	--	3	2,584
Reformulated	--	--	369	--	--	4	--	--	--	373
Conventional	--	5	2,158	--	5	19	-27	--	3	2,211
Finished Aviation Gasoline	--	--	2	--	0	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	247	--	33	--	-14	--	1	292
Kerosene	--	--	0	--	--	--	-1	--	0	1
Distillate Fuel Oil	--	--	1,100	7	100	41	-13	--	1	1,260
15 ppm sulfur and under	--	--	1,104	4	97	41	-7	--	0	1,255
Greater than 15 ppm to 500 ppm sulfur	--	--	4	--	2	--	-2	--	1	7
Greater than 500 ppm sulfur	--	--	-8	2	--	--	-4	--	1	-2
Residual Fuel Oil ⁶	--	--	41	7	-23	--	2	--	4	20
Less than 0.31 percent sulfur	--	--	--	0	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	7	3	-2	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	34	4	-21	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	28	6	-3	--	1	--	--	31
Naphtha for Petro. Feed. Use	--	--	16	3	-3	--	1	--	--	16
Other Oils for Petro. Feed. Use	--	--	11	3	--	--	0	--	--	14
Special Naphthas	--	--	2	2	1	--	0	--	--	5
Lubricants	--	--	0	4	7	--	-5	--	6	11
Waxes	--	--	0	0	--	--	-1	--	1	0
Petroleum Coke	--	--	177	1	-38	--	7	--	1	132
Marketable	--	--	130	1	-38	--	7	--	1	85
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	158	8	-23	--	46	--	1	95
Still Gas	--	--	141	--	--	--	--	--	--	141
Miscellaneous Products	--	--	16	0	0	--	0	--	0	17
Total	2,848	1,016	4,538	2,859	-1,133	-124	229	4,318	487	4,969

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,891	--	--	2,745	-653	-265	-113	3,695	135	0
Hydrocarbon Gas Liquids	911	-19	53	104	-312	--	-192	109	271	549
Natural Gas Liquids	911	-19	11	89	-290	--	-189	109	271	511
Ethane	328	--	--	--	--	--	6	--	82	69
Propane	326	--	74	77	-224	--	-114	--	5	362
Normal Butane	112	--	-55	5	-57	--	-68	39	8	25
Isobutane	50	--	-7	8	0	--	-6	47	0	10
Natural Gasoline	94	-19	--	0	161	--	-8	22	177	45
Refinery Olefins	--	--	41	15	--	--	-3	--	--	38
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	42	13	-21	--	-3	--	--	37
Butylene	--	--	0	2	--	--	0	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1,032	--	18	-509	-41	56	430	83	-69
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,032	--	1	-736	5	-6	290	18	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,032	--	1	-736	-34	-6	250	18	0
Fuel Ethanol	--	961	--	--	-714	4	-3	238	16	0
Renewable Fuels Except Fuel Ethanol	--	71	--	1	-22	-38	-3	12	2	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	9	--	-1	16	65	-69
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	15	218	-47	62	124	0	0
Reformulated	--	--	--	1	61	-25	1	36	0	0
Conventional	--	0	--	15	157	-22	61	88	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	5	4,406	31	86	81	87	--	21	4,501
Finished Motor Gasoline	--	5	2,487	--	4	43	-6	--	2	2,542
Reformulated	--	--	361	--	--	33	--	--	--	394
Conventional	--	5	2,125	--	4	10	-6	--	2	2,148
Finished Aviation Gasoline	--	--	1	0	0	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	249	--	37	--	7	--	1	278
Kerosene	--	--	5	0	0	--	0	--	0	5
Distillate Fuel Oil	--	--	1,106	6	110	38	38	--	2	1,219
15 ppm sulfur and under	--	--	1,102	5	107	38	38	--	0	1,215
Greater than 15 ppm to 500 ppm sulfur	--	--	5	--	3	--	-1	--	1	7
Greater than 500 ppm sulfur	--	--	-1	1	--	--	1	--	1	-2
Residual Fuel Oil ⁶	--	--	44	5	-24	--	0	--	5	20
Less than 0.31 percent sulfur	--	--	--	0	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	8	3	-3	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	36	3	-22	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	28	5	-3	--	2	--	--	29
Naphtha for Petro. Feed. Use	--	--	19	3	-2	--	1	--	--	18
Other Oils for Petro. Feed. Use	--	--	10	3	-1	--	0	--	--	11
Special Naphthas	--	--	2	2	1	--	0	--	--	4
Lubricants	--	--	5	5	8	--	-3	--	6	14
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	181	1	-25	--	9	--	1	146
Marketable	--	--	134	1	-25	--	9	--	1	100
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	142	6	-21	--	40	--	2	85
Still Gas	--	--	141	--	--	--	--	--	--	141
Miscellaneous Products	--	--	16	0	0	--	0	--	0	16
Total	2,801	1,018	4,459	2,898	-1,387	-226	-162	4,234	510	4,981

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

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³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	207,683	--	--	80,252	11,625	8,150	-12,021	275,017	44,714	0	882,869
Hydrocarbon Gas Liquids	70,370	-15	13,471	237	22,487	--	-1,014	9,207	34,339	64,018	96,890
Natural Gas Liquids	70,370	-15	6,337	--	22,057	--	-754	9,207	34,339	55,957	91,949
Ethane	30,293	--	242	--	--	--	-1,448	--	3,742	42,992	43,809
Propane	21,550	--	4,771	--	8,409	--	-3,732	--	27,496	10,966	19,974
Normal Butane	3,313	--	1,554	--	3,106	--	3,041	2,349	3,026	-443	13,464
Isobutane	8,073	--	-230	--	703	--	614	3,939	53	3,940	5,643
Natural Gasoline	7,141	-15	--	--	-4,912	--	771	2,919	21	-1,497	9,059
Refinery Olefins	--	--	7,134	237	--	--	-260	--	--	8,061	4,941
Ethylene	--	--	7	--	--	--	0	--	--	7	0
Propylene	--	--	6,960	--	--	--	-948	--	--	8,338	3,465
Butylene	--	--	190	237	--	--	687	--	--	-260	1,475
Isobutylene	--	--	-23	--	--	--	1	--	--	-24	1
Other Liquids	--	3,628	--	19,584	-51,625	-2,700	2,535	-51,103	12,817	4,637	135,176
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	3,628	--	524	7,327	4,009	-53	9,345	6,196	0	7,262
Hydrogen	--	--	--	--	--	4,152	--	4,152	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,167	--	517	--	-338	274	--	2,072	0	1,704
Renewable Fuels (including Fuel Ethanol)	--	1,461	--	--	7,327	202	-327	5,193	4,124	0	5,558
Fuel Ethanol	--	805	--	--	7,213	477	-235	4,697	4,033	0	4,055
Renewable Fuels Except Fuel Ethanol	--	656	--	--	113	-275	-92	496	90	0	1,503
Other Hydrocarbons	--	--	--	7	--	-7	--	--	--	0	--
Unfinished Oils	--	--	--	15,747	156	--	5,112	-94	6,230	4,655	52,927
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	3,313	-59,108	-6,709	-2,549	-60,347	392	0	74,946
Reformulated	--	--	--	--	-11,013	3,197	-532	-7,293	9	0	10,633
Conventional	--	--	--	3,313	-48,095	-9,906	-2,017	-53,054	383	0	64,313
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	25	-7	--	-18	41
Finished Petroleum Products	--	--	238,858	4,488	-49,518	6,997	-1,142	--	90,421	111,546	106,189
Finished Motor Gasoline	--	--	73,674	--	-6,182	6,232	-832	--	26,470	48,086	9,299
Reformulated	--	--	14,773	--	--	-3,003	--	--	--	11,770	--
Conventional	--	--	58,901	--	-6,182	9,235	-832	--	26,470	36,316	9,299
Finished Aviation Gasoline	--	--	289	--	-63	--	-64	--	--	290	320
Kerosene-Type Jet Fuel	--	--	28,713	--	-16,985	--	-42	--	6,198	5,572	13,093
Kerosene	--	--	106	--	--	--	113	--	265	-272	163
Distillate Fuel Oil	--	--	84,531	151	-26,849	765	-1,382	--	31,393	28,587	40,129
15 ppm sulfur and under	--	--	76,597	--	-25,175	765	-2,025	--	27,689	26,523	33,390
Greater than 15 ppm to 500 ppm sulfur	--	--	1,085	--	-103	--	18	--	2,244	-1,280	1,167
Greater than 500 ppm sulfur	--	--	6,849	151	-1,571	--	625	--	1,460	3,344	5,572
Residual Fuel Oil ⁷	--	--	6,585	1,523	621	--	1,147	--	7,610	-28	20,471
Less than 0.31 percent sulfur	--	--	1,293	207	--	--	175	--	NA	NA	1,129
0.31 to 1.00 percent sulfur	--	--	462	290	64	--	19	--	NA	NA	3,667
Greater than 1.00 percent sulfur	--	--	4,830	1,026	557	--	953	--	NA	NA	15,675
Petrochemical Feedstocks	--	--	8,303	483	45	--	-18	--	--	8,849	2,532
Naphtha for Petro. Feed. Use	--	--	5,413	432	45	--	-23	--	--	5,913	1,647
Other Oils for Petro. Feed. Use	--	--	2,890	51	--	--	5	--	--	2,936	885
Special Naphthas	--	--	1,126	295	-33	--	-94	--	--	1,482	869
Lubricants	--	--	4,777	1,538	-491	--	425	--	2,519	2,880	9,012
Waxes	--	--	103	10	--	--	8	--	18	87	212
Petroleum Coke	--	--	15,474	472	840	--	-840	--	15,591	2,035	4,510
Marketable	--	--	11,926	472	840	--	-840	--	15,591	-1,513	4,510
Catalyst	--	--	3,548	--	--	--	--	--	--	3,548	--
Asphalt and Road Oil	--	--	2,455	--	-406	--	393	--	355	1,302	5,216
Still Gas	--	--	10,979	--	--	--	--	--	--	10,979	--
Miscellaneous Products	--	--	1,743	16	-15	--	44	--	2	1,698	363
Total	278,053	3,613	252,329	104,561	-67,031	12,447	-11,642	233,121	182,291	180,202	1,221,124

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	584,476	--	--	230,379	72,729	27,123	15,503	779,201	120,002	0	882,869
Hydrocarbon Gas Liquids	193,398	-46	33,045	495	57,341	--	-28,441	29,394	98,058	185,222	96,890
Natural Gas Liquids	193,398	-46	12,363	--	56,163	--	-28,430	29,394	98,058	162,856	--
Ethane	83,163	--	533	--	--	--	-5,855	--	9,531	119,230	--
Propane	59,375	--	14,110	--	17,370	--	-13,564	--	77,264	27,155	--
Normal Butane	8,562	--	-1,214	--	7,388	--	-9,261	10,762	11,009	2,226	--
Isobutane	23,042	--	-1,066	--	2,097	--	277	10,725	192	12,879	--
Natural Gasoline	19,256	-46	--	--	-9,902	--	-27	7,907	63	1,365	--
Refinery Olefins	--	--	20,682	495	--	--	-11	--	--	22,366	--
Ethylene	--	--	7	--	--	--	0	--	--	7	--
Propylene	--	--	20,399	--	--	--	-558	--	--	22,135	--
Butylene	--	--	359	495	--	--	546	--	--	308	--
Isobutylene	--	--	-83	--	--	--	1	--	--	-84	--
Other Liquids	--	10,827	--	52,017	-152,674	-6,343	9,084	-156,284	35,958	15,070	135,176
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	10,827	--	1,159	20,570	9,367	441	25,047	16,435	0	7,262
Hydrogen	--	--	--	--	--	11,058	--	11,058	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	6,723	--	1,073	--	-1,520	265	--	6,011	0	1,704
Renewable Fuels (including Fuel Ethanol)	--	4,104	--	71	20,570	-156	176	13,989	10,424	0	5,558
Fuel Ethanol	--	2,363	--	--	19,912	850	-23	12,928	10,219	0	4,055
Renewable Fuels Except Fuel Ethanol	--	1,741	--	71	659	-1,005	199	1,061	205	0	1,503
Other Hydrocarbons	--	--	--	15	--	-15	0	--	--	0	--
Unfinished Oils	--	--	--	45,999	-781	--	8,007	5,995	16,118	15,098	52,927
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	4,859	-172,463	-15,710	610	-187,328	3,404	0	74,946
Reformulated	--	--	--	--	-35,588	13,621	-499	-21,492	24	0	10,633
Conventional	--	--	--	4,859	-136,875	-29,331	1,109	-165,836	3,380	0	64,313
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	26	2	--	-28	41
Finished Petroleum Products	--	--	674,264	13,027	-155,758	16,623	-2,343	--	254,078	296,422	106,189
Finished Motor Gasoline	--	--	207,129	--	-19,484	14,860	417	--	79,700	122,388	9,299
Reformulated	--	--	41,478	--	--	-14,181	--	--	--	27,297	--
Conventional	--	--	165,651	--	-19,484	29,041	417	--	79,700	95,091	9,299
Finished Aviation Gasoline	--	--	593	--	-184	--	-149	--	--	558	320
Kerosene-Type Jet Fuel	--	--	79,349	--	-48,911	--	-751	--	14,822	16,367	13,093
Kerosene	--	--	50	--	-298	--	-13	--	575	-810	163
Distillate Fuel Oil	--	--	240,194	751	-88,475	1,763	-5,693	--	87,242	72,684	40,129
15 ppm sulfur and under	--	--	216,027	16	-81,336	1,763	-5,413	--	73,822	68,062	33,390
Greater than 15 ppm to 500 ppm sulfur	--	--	6,810	--	-882	--	-1,074	--	8,481	-1,479	1,167
Greater than 500 ppm sulfur	--	--	17,357	735	-6,257	--	794	--	4,940	6,101	5,572
Residual Fuel Oil ⁷	--	--	20,590	4,999	2,021	--	4,114	--	21,588	1,908	20,471
Less than 0.31 percent sulfur	--	--	3,832	1,042	--	--	479	--	NA	NA	1,129
0.31 to 1.00 percent sulfur	--	--	1,507	340	226	--	-800	--	NA	NA	3,667
Greater than 1.00 percent sulfur	--	--	15,251	3,617	1,795	--	4,435	--	NA	NA	15,675
Petrochemical Feedstocks	--	--	23,052	1,644	250	--	219	--	--	24,727	2,532
Naphtha for Petro. Feed. Use	--	--	15,834	1,540	182	--	250	--	--	17,306	1,647
Other Oils for Petro. Feed. Use	--	--	7,218	104	68	--	-31	--	--	7,421	885
Special Naphthas	--	--	3,141	1,219	-89	--	-130	--	--	4,401	869
Lubricants	--	--	13,171	3,082	-1,725	--	-49	--	7,782	6,795	9,012
Waxes	--	--	256	99	--	--	-55	--	49	361	212
Petroleum Coke	--	--	44,124	1,193	2,161	--	-1,053	--	41,277	7,254	4,510
Marketable	--	--	33,424	1,193	2,161	--	-1,053	--	41,277	-3,446	4,510
Catalyst	--	--	10,700	--	--	--	--	--	--	10,700	--
Asphalt and Road Oil	--	--	6,316	--	-999	--	815	--	1,035	3,467	5,216
Still Gas	--	--	31,383	--	--	--	--	--	--	31,383	--
Miscellaneous Products	--	--	4,916	40	-25	--	-15	--	7	4,939	363
Total	777,874	10,781	707,309	295,918	-178,362	37,403	-6,197	652,311	508,096	496,713	1,221,124

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	6,699	--	--	2,589	375	263	-388	8,872	1,442	0
Hydrocarbon Gas Liquids	2,270	0	435	8	725	--	-33	297	1,108	2,065
Natural Gas Liquids	2,270	0	204	--	712	--	-24	297	1,108	1,805
Ethane	977	--	8	--	--	--	-47	--	121	1,387
Propane	695	--	154	--	271	--	-120	--	887	354
Normal Butane	107	--	50	--	100	--	98	76	98	-14
Isobutane	260	--	-7	--	23	--	20	127	2	127
Natural Gasoline	230	0	--	--	-158	--	25	94	1	-48
Refinery Olefins	--	--	230	8	--	--	-8	--	--	260
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	225	--	14	--	-31	--	--	269
Butylene	--	--	6	8	--	--	22	--	--	-8
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
Other Liquids	--	117	--	632	-1,665	-87	82	-1,648	413	150
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	117	--	17	236	129	-2	301	200	0
Hydrogen	--	--	--	--	--	134	--	134	--	0
Oxygenates (excluding Fuel Ethanol)	--	70	--	17	--	-11	9	--	67	0
Renewable Fuels (including Fuel Ethanol)	--	47	--	--	236	7	-11	168	133	0
Fuel Ethanol	--	26	--	--	233	15	-8	152	130	0
Renewable Fuels Except Fuel Ethanol	--	21	--	--	4	-9	-3	16	3	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	508	5	--	165	-3	201	150
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	107	-1,907	-216	-82	-1,947	13	0
Reformulated	--	--	--	--	-355	103	-17	-235	0	0
Conventional	--	--	--	107	-1,551	-320	-65	-1,711	12	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	1	0	--	-1
Finished Petroleum Products	--	--	7,705	145	-1,597	226	-37	--	2,917	3,598
Finished Motor Gasoline	--	--	2,377	--	-199	201	-27	--	854	1,551
Reformulated	--	--	477	--	--	-97	--	--	--	380
Conventional	--	--	1,900	--	-199	298	-27	--	854	1,171
Finished Aviation Gasoline	--	--	9	--	-2	--	-2	--	--	9
Kerosene-Type Jet Fuel	--	--	926	--	-548	--	-1	--	200	180
Kerosene	--	--	3	--	--	--	4	--	9	-9
Distillate Fuel Oil	--	--	2,727	5	-866	25	-45	--	1,013	922
15 ppm sulfur and under	--	--	2,471	--	-812	25	-65	--	893	856
Greater than 15 ppm to 500 ppm sulfur	--	--	35	--	-3	--	1	--	72	-41
Greater than 500 ppm sulfur	--	--	221	5	-51	--	20	--	47	108
Residual Fuel Oil ⁷	--	--	212	49	20	--	37	--	245	-1
Less than 0.31 percent sulfur	--	--	42	7	--	--	6	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	9	2	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	156	33	18	--	31	--	NA	NA
Petrochemical Feedstocks	--	--	268	16	1	--	-1	--	--	285
Naphtha for Petro. Feed. Use	--	--	175	14	1	--	-1	--	--	191
Other Oils for Petro. Feed. Use	--	--	93	2	--	--	0	--	--	95
Special Naphthas	--	--	36	10	-1	--	-3	--	--	48
Lubricants	--	--	154	50	-16	--	14	--	81	93
Waxes	--	--	3	0	--	--	0	--	1	3
Petroleum Coke	--	--	499	15	27	--	-27	--	503	66
Marketable	--	--	385	15	27	--	-27	--	503	-49
Catalyst	--	--	114	--	--	--	--	--	--	114
Asphalt and Road Oil	--	--	79	--	-13	--	13	--	11	42
Still Gas	--	--	354	--	--	--	--	--	--	354
Miscellaneous Products	--	--	56	1	0	--	1	--	0	55
Total	8,969	117	8,140	3,373	-2,162	402	-376	7,520	5,880	5,813

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	6,494	--	--	2,560	808	301	172	8,658	1,333	0
Hydrocarbon Gas Liquids	2,149	-1	367	6	637	--	-316	327	1,090	2,058
Natural Gas Liquids	2,149	-1	137	--	624	--	-316	327	1,090	1,810
Ethane	924	--	6	--	--	--	-65	--	106	1,325
Propane	660	--	157	--	193	--	-151	--	858	302
Normal Butane	95	--	-166	--	82	--	-103	120	122	25
Isobutane	256	--	-12	--	23	--	3	119	2	143
Natural Gasoline	214	-1	--	--	-110	--	0	88	1	15
Refinery Olefins	--	--	230	6	--	--	0	--	--	249
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	227	--	13	--	-6	--	--	246
Butylene	--	--	4	6	--	--	6	--	--	3
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
Other Liquids	--	120	--	578	-1,696	-70	101	-1,736	400	167
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	120	--	13	229	104	5	278	183	0
Hydrogen	--	--	--	--	--	123	--	123	--	0
Oxygenates (excluding Fuel Ethanol)	--	75	--	12	--	-17	3	--	67	0
Renewable Fuels (including Fuel Ethanol)	--	46	--	1	229	-2	2	155	116	0
Fuel Ethanol	--	26	--	--	221	9	0	144	114	0
Renewable Fuels Except Fuel Ethanol	--	19	--	1	7	-11	2	12	2	0
Other Hydrocarbons	--	--	--	0	--	0	0	--	--	0
Unfinished Oils	--	--	--	511	-9	--	89	67	179	168
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	54	-1,916	-175	7	-2,081	38	0
Reformulated	--	--	--	--	-395	151	-6	-239	0	0
Conventional	--	--	--	54	-1,521	-326	12	-1,843	38	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	7,492	145	-1,731	185	-26	--	2,823	3,294
Finished Motor Gasoline	--	--	2,301	--	-216	165	5	--	886	1,360
Reformulated	--	--	461	--	--	-158	--	--	--	303
Conventional	--	--	1,841	--	-216	323	5	--	886	1,057
Finished Aviation Gasoline	--	--	7	--	-2	--	-2	--	--	6
Kerosene-Type Jet Fuel	--	--	882	--	-543	--	-8	--	165	182
Kerosene	--	--	1	--	-3	--	0	--	6	-9
Distillate Fuel Oil	--	--	2,669	8	-983	20	-63	--	969	808
15 ppm sulfur and under	--	--	2,400	0	-904	20	-60	--	820	756
Greater than 15 ppm to 500 ppm sulfur	--	--	76	--	-10	--	-12	--	94	-16
Greater than 500 ppm sulfur	--	--	193	8	-70	--	9	--	55	68
Residual Fuel Oil ⁷	--	--	229	56	22	--	46	--	240	21
Less than 0.31 percent sulfur	--	--	43	12	--	--	5	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	17	4	3	--	-9	--	NA	NA
Greater than 1.00 percent sulfur	--	--	169	40	20	--	49	--	NA	NA
Petrochemical Feedstocks	--	--	256	18	3	--	2	--	--	275
Naphtha for Petro. Feed. Use	--	--	176	17	2	--	3	--	--	192
Other Oils for Petro. Feed. Use	--	--	80	1	1	--	0	--	--	82
Special Naphthas	--	--	35	14	-1	--	-1	--	--	49
Lubricants	--	--	146	34	-19	--	-1	--	86	76
Waxes	--	--	3	1	--	--	-1	--	1	4
Petroleum Coke	--	--	490	13	24	--	-12	--	459	81
Marketable	--	--	371	13	24	--	-12	--	459	-38
Catalyst	--	--	119	--	--	--	--	--	--	119
Asphalt and Road Oil	--	--	70	--	-11	--	9	--	12	39
Still Gas	--	--	349	--	--	--	--	--	--	349
Miscellaneous Products	--	--	55	0	0	--	0	--	0	55
Total	8,643	120	7,859	3,288	-1,982	416	-69	7,248	5,646	5,519

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	25,506	--	--	11,289	-15,093	-1,137	1,453	19,058	53	0	22,965
Hydrocarbon Gas Liquids	13,247	-9	339	579	-12,422	--	-125	591	68	1,200	2,707
Natural Gas Liquids	13,247	-9	275	579	-12,422	--	-128	591	68	1,139	2,648
Ethane	4,365	--	--	--	--	--	-22	--	--	146	459
Propane	4,540	--	270	527	-4,156	--	-81	--	0	1,262	965
Normal Butane	1,752	--	50	11	-1,598	--	-5	207	8	5	610
Isobutane	787	--	-45	41	-907	--	-28	251	--	-347	252
Natural Gasoline	1,803	-9	--	--	-1,520	--	8	133	60	73	362
Refinery Olefins	--	--	64	--	--	--	3	--	--	61	59
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	12	--	--	--	0	--	--	12	4
Butylene	--	--	52	--	--	--	3	--	--	49	55
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	439	--	16	-6	-876	-597	27	1	142	9,372
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	439	--	--	421	325	12	1,172	1	0	369
Hydrogen	--	--	--	--	--	219	--	219	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	1	--	--	0	1
Renewable Fuels (including Fuel Ethanol)	--	439	--	--	421	105	11	953	1	0	368
Fuel Ethanol	--	439	--	--	347	124	7	903	--	0	353
Renewable Fuels Except Fuel Ethanol	--	--	--	--	74	-20	4	50	1	0	15
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-25	-117	--	142	3,130
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	16	-427	-1,201	-584	-1,028	0	0	5,873
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-427	-1,201	-584	-1,028	0	0	5,873
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	20,159	60	-1,329	1,096	-73	--	27	20,031	9,179
Finished Motor Gasoline	--	--	9,505	--	-832	1,077	-105	--	1	9,853	1,838
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,505	--	-832	1,077	-105	--	1	9,853	1,838
Finished Aviation Gasoline	--	--	5	--	--	--	3	--	--	2	9
Kerosene-Type Jet Fuel	--	--	1,149	--	528	--	-59	--	--	1,736	682
Kerosene	--	--	--	--	--	--	0	--	--	0	2
Distillate Fuel Oil	--	--	6,304	24	-76	20	-267	--	0	6,538	3,850
15 ppm sulfur and under	--	--	6,298	24	-76	20	-234	--	0	6,499	3,598
Greater than 15 ppm to 500 ppm sulfur	--	--	9	--	--	--	-36	--	--	45	195
Greater than 500 ppm sulfur	--	--	-3	--	--	--	3	--	--	-6	57
Residual Fuel Oil ⁶	--	--	372	--	--	--	21	--	16	335	258
Less than 0.31 percent sulfur	--	--	200	--	--	--	0	--	NA	NA	30
0.31 to 1.00 percent sulfur	--	--	18	--	--	--	10	--	NA	NA	19
Greater than 1.00 percent sulfur	--	--	154	--	--	--	11	--	NA	NA	209
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	9	-9	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	828	--	-435	--	20	--	--	373	152
Marketable	--	--	584	--	-435	--	20	--	--	129	152
Catalyst	--	--	244	--	--	--	--	--	--	244	--
Asphalt and Road Oil	--	--	1,233	35	-514	--	313	--	1	440	2,369
Still Gas	--	--	671	--	--	--	--	--	--	671	--
Miscellaneous Products	--	--	92	1	--	--	1	--	0	92	19
Total	38,753	430	20,498	11,944	-28,851	-917	658	19,676	149	21,373	44,223

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	73,342	--	--	33,036	-44,797	-3,940	603	56,929	110	0	22,965
Hydrocarbon Gas Liquids	37,430	-27	624	1,364	-33,660	--	-926	1,945	181	4,531	2,707
Natural Gas Liquids	37,430	-27	554	1,364	-33,660	--	-970	1,945	181	4,505	--
Ethane	11,891	--	--	--	--	--	-9	--	--	884	--
Propane	13,071	--	755	1,240	-11,477	--	-519	--	0	4,108	--
Normal Butane	5,020	--	-166	52	-4,395	--	-426	989	9	-61	--
Isobutane	2,298	--	-35	72	-2,476	--	-23	589	--	-707	--
Natural Gasoline	5,150	-27	--	--	-4,296	--	7	367	172	281	--
Refinery Olefins	--	--	70	--	--	--	44	--	--	26	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	12	--	--	--	4	--	--	8	--
Butylene	--	--	58	--	--	--	40	--	--	18	--
Isobutylene	--	--	--	--	--	--	0	--	--	0	--
Other Liquids	--	1,259	--	62	-426	-2,212	501	-2,340	8	514	9,372
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	1,259	--	12	1,116	1,012	35	3,363	1	0	369
Hydrogen	--	--	--	--	--	694	--	694	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	1	--	0	0	1
Renewable Fuels (including Fuel Ethanol)	--	1,259	--	12	1,116	317	34	2,669	1	0	368
Fuel Ethanol	--	1,259	--	--	955	366	29	2,551	--	0	353
Renewable Fuels Except Fuel Ethanol	--	--	--	12	161	-50	5	118	1	0	15
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	379	-900	7	514	3,130
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	50	-1,542	-3,224	87	-4,803	0	0	5,873
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-1,542	-3,224	87	-4,803	0	0	5,873
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	58,710	317	-3,832	2,907	597	--	74	57,432	9,179
Finished Motor Gasoline	--	--	27,076	--	-1,921	2,858	24	--	2	27,987	1,838
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	27,076	--	-1,921	2,858	24	--	2	27,987	1,838
Finished Aviation Gasoline	--	--	8	--	--	--	0	--	--	8	9
Kerosene-Type Jet Fuel	--	--	3,237	5	1,934	--	-40	--	--	5,216	682
Kerosene	--	--	1	--	--	--	0	--	1	0	2
Distillate Fuel Oil	--	--	18,937	108	-992	50	-358	--	0	18,461	3,850
15 ppm sulfur and under	--	--	18,860	108	-992	50	-372	--	0	18,398	3,598
Greater than 15 ppm to 500 ppm sulfur	--	--	93	--	--	--	23	--	--	70	195
Greater than 500 ppm sulfur	--	--	-16	--	--	--	-9	--	--	-7	57
Residual Fuel Oil ⁶	--	--	1,060	--	--	--	43	--	35	982	258
Less than 0.31 percent sulfur	--	--	576	--	--	--	-2	--	NA	NA	30
0.31 to 1.00 percent sulfur	--	--	56	--	--	--	15	--	NA	NA	19
Greater than 1.00 percent sulfur	--	--	428	--	--	--	30	--	NA	NA	209
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	30	-30	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	2,401	--	-1,275	--	69	--	0	1,057	152
Marketable	--	--	1,744	--	-1,275	--	69	--	0	400	152
Catalyst	--	--	657	--	--	--	--	--	--	657	--
Asphalt and Road Oil	--	--	3,647	201	-1,578	--	856	--	5	1,409	2,369
Still Gas	--	--	2,064	--	--	--	--	--	--	2,064	--
Miscellaneous Products	--	--	279	3	--	--	3	--	0	279	19
Total	110,772	1,232	59,334	34,779	-82,714	-3,245	775	56,534	373	62,477	44,223

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	823	--	--	364	-487	-37	47	615	2	0
Hydrocarbon Gas Liquids	427	0	11	19	-401	--	-4	19	2	39
Natural Gas Liquids	427	0	9	19	-401	--	-4	19	2	37
Ethane	141	--	--	--	--	--	-1	--	--	5
Propane	146	--	9	17	-134	--	-3	--	0	41
Normal Butane	57	--	2	0	-52	--	0	7	0	0
Isobutane	25	--	-1	1	-29	--	-1	8	--	-11
Natural Gasoline	58	0	--	--	-49	--	0	4	2	2
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	14	--	1	0	-28	-19	1	0	5
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	--	14	10	0	38	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	--	0
Renewable Fuels (including Fuel Ethanol)	--	14	--	--	14	3	0	31	0	0
Fuel Ethanol	--	14	--	--	11	4	0	29	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	--	2	-1	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-1	-4	--	5
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	-14	-39	-19	-33	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-14	-39	-19	-33	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	650	2	-43	35	-2	--	1	646
Finished Motor Gasoline	--	--	307	--	-27	35	-3	--	0	318
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	307	--	-27	35	-3	--	0	318
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	37	--	17	--	-2	--	--	56
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	203	1	-2	1	-9	--	0	211
15 ppm sulfur and under	--	--	203	1	-2	1	-8	--	0	210
Greater than 15 ppm to 500 ppm sulfur	--	--	0	--	--	--	-1	--	--	1
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil ⁶	--	--	12	--	--	--	1	--	1	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	27	--	-14	--	1	--	--	12
Marketable	--	--	19	--	-14	--	1	--	--	4
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	40	1	-17	--	10	--	0	14
Still Gas	--	--	22	--	--	--	--	--	--	22
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
Total	1,250	14	661	385	-931	-30	21	635	5	689

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	815	--	--	367	-498	-44	7	633	1	0
Hydrocarbon Gas Liquids	416	0	7	15	-374	--	-10	22	2	50
Natural Gas Liquids	416	0	6	15	-374	--	-11	22	2	50
Ethane	132	--	--	--	--	--	0	--	--	10
Propane	145	--	8	14	-128	--	-6	--	0	46
Normal Butane	56	--	-2	1	-49	--	-5	11	0	-1
Isobutane	26	--	0	1	-28	--	0	7	--	-8
Natural Gasoline	57	0	--	--	-48	--	0	4	2	3
Refinery Olefins	--	--	1	--	--	--	0	--	--	0
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Butylene	--	--	1	--	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	14	--	1	-5	-25	6	-26	0	6
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	12	11	0	37	0	0
Hydrogen	--	--	--	--	--	8	--	8	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	12	4	0	30	0	0
Fuel Ethanol	--	14	--	--	11	4	0	28	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	2	-1	0	1	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	4	-10	0	6
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	-17	-36	1	-53	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-17	-36	1	-53	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	652	4	-43	32	7	--	1	638
Finished Motor Gasoline	--	--	301	--	-21	32	0	--	0	311
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	301	--	-21	32	0	--	0	311
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	36	0	21	--	0	--	--	58
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	210	1	-11	1	-4	--	0	205
15 ppm sulfur and under	--	--	210	1	-11	1	-4	--	0	204
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil ⁶	--	--	12	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	27	--	-14	--	1	--	0	12
Marketable	--	--	19	--	-14	--	1	--	0	4
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	41	2	-18	--	10	--	0	16
Still Gas	--	--	23	--	--	--	--	--	--	23
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
Total	1,231	14	659	386	-919	-36	9	628	4	694

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	30,726	--	--	39,602	5,798	3,884	619	79,127	264	0	49,733
Hydrocarbon Gas Liquids	2,165	-14	2,155	1,419	842	--	450	2,780	968	2,369	2,622
Natural Gas Liquids	2,165	-14	1,951	1,418	842	--	440	2,780	968	2,174	2,582
Ethane	1	--	--	--	--	--	--	--	0	1	--
Propane	304	--	1,264	954	297	--	-16	--	847	1,988	584
Normal Butane	470	--	273	442	406	--	212	971	113	295	1,186
Isobutane	330	--	414	22	139	--	219	844	0	-158	759
Natural Gasoline	1,060	-14	--	--	--	--	25	965	8	48	53
Refinery Olefins	--	--	204	1	--	--	10	--	--	195	40
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	212	1	--	--	-2	--	--	215	19
Butylene	--	--	-8	--	--	--	12	--	--	-20	21
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	881	--	3,463	12,179	-3,502	482	10,347	565	1,628	56,548
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	881	--	415	6,544	-767	-89	6,857	306	0	4,176
Hydrogen	--	--	--	--	--	1,318	--	1,318	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol)	--	881	--	415	6,544	-2,086	-89	5,539	304	0	4,176
Fuel Ethanol	--	636	--	--	6,190	-1,588	48	4,901	289	0	2,684
Renewable Fuels Except Fuel Ethanol	--	245	--	415	354	-498	-137	638	15	0	1,492
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2,994	--	--	1,972	-662	56	1,628	22,679
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	54	5,635	-2,735	-1,401	4,152	203	0	29,693
Reformulated	--	--	--	--	3,009	-903	-1,274	3,379	1	0	14,110
Conventional	--	--	--	54	2,626	-1,832	-127	773	202	0	15,583
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	96,208	3,710	2,775	4,545	693	--	11,744	94,800	36,874
Finished Motor Gasoline	--	--	50,298	--	749	4,323	-102	--	2,877	52,596	2,342
Reformulated	--	--	34,879	--	--	631	-1	--	--	35,511	16
Conventional	--	--	15,419	--	749	3,693	-101	--	2,877	17,085	2,326
Finished Aviation Gasoline	--	--	25	--	--	--	3	--	--	22	274
Kerosene-Type Jet Fuel	--	--	15,605	1,819	361	--	-91	--	1,315	16,561	10,200
Kerosene	--	--	20	--	--	--	-5	--	5	20	19
Distillate Fuel Oil	--	--	16,046	132	1,160	221	-281	--	2,411	15,429	13,363
15 ppm sulfur and under	--	--	15,047	132	1,160	221	-397	--	1,699	15,258	12,146
Greater than 15 ppm to 500 ppm sulfur	--	--	316	--	--	--	-8	--	47	277	295
Greater than 500 ppm sulfur	--	--	683	--	--	--	124	--	665	-106	922
Residual Fuel Oil ⁶	--	--	3,336	1,548	--	--	328	--	1,348	3,208	5,211
Less than 0.31 percent sulfur	--	--	5	--	--	--	-152	--	NA	NA	224
0.31 to 1.00 percent sulfur	--	--	570	81	--	--	90	--	NA	NA	786
Greater than 1.00 percent sulfur	--	--	2,761	1,467	--	--	389	--	NA	NA	4,191
Petrochemical Feedstocks	--	--	3	58	--	--	-1	--	--	62	1
Naphtha for Petro. Feed. Use	--	--	3	58	--	--	-1	--	--	62	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	35	--	--	--	-10	--	--	45	27
Lubricants	--	--	697	4	--	--	311	--	131	259	1,232
Waxes	--	--	--	42	--	--	--	--	7	35	--
Petroleum Coke	--	--	5,083	20	-24	--	291	--	3,622	1,166	1,756
Marketable	--	--	3,962	20	-24	--	291	--	3,622	45	1,756
Catalyst	--	--	1,121	--	--	--	--	--	--	1,121	--
Asphalt and Road Oil	--	--	727	87	529	--	250	--	26	1,067	2,342
Still Gas	--	--	3,860	--	--	--	--	--	--	3,860	--
Miscellaneous Products	--	--	473	--	--	--	0	--	0	473	107
Total	32,891	867	98,363	48,194	21,594	4,927	2,244	92,254	13,540	98,797	145,777

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	89,144	--	--	113,398	13,450	3,120	-1,273	219,876	509	0	49,733
Hydrocarbon Gas Liquids	6,204	-40	3,127	3,298	2,172	--	-712	8,600	2,557	4,316	2,622
Natural Gas Liquids	6,204	-40	2,308	3,296	2,172	--	-724	8,600	2,557	3,507	--
Ethane	3	--	--	--	--	--	--	--	0	3	--
Propane	890	--	3,375	2,152	573	--	-877	--	2,220	5,647	--
Normal Butane	1,310	--	-1,662	1,056	1,259	--	-209	3,268	326	-1,422	--
Isobutane	984	--	595	88	340	--	343	2,511	0	-847	--
Natural Gasoline	3,017	-40	--	--	--	--	19	2,821	10	127	--
Refinery Olefins	--	--	819	2	--	--	12	--	--	809	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	812	2	--	--	-8	--	--	822	--
Butylene	--	--	7	--	--	--	20	--	--	-13	--
Isobutylene	--	--	--	--	--	--	0	--	--	0	--
Other Liquids	--	2,525	--	10,633	32,809	-8,813	1,704	31,550	1,072	2,828	56,548
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	2,525	--	1,259	17,132	-730	447	19,363	376	0	4,176
Hydrogen	--	--	--	--	--	3,644	--	3,644	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	4	--	--	4	0	--
Renewable Fuels (including Fuel Ethanol)	--	2,525	--	1,259	17,132	-4,378	447	15,719	372	0	4,176
Fuel Ethanol	--	1,802	--	--	16,428	-3,873	132	13,887	338	0	2,684
Renewable Fuels Except Fuel Ethanol	--	723	--	1,259	704	-505	315	1,832	33	0	1,492
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	8,484	--	--	2,771	2,684	201	2,828	22,679
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	890	15,677	-8,083	-1,514	9,503	495	0	29,693
Reformulated	--	--	--	311	8,088	-1,562	-2,187	9,016	8	0	14,110
Conventional	--	--	--	579	7,589	-6,521	673	487	487	0	15,583
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	275,092	9,706	7,656	12,105	1,907	--	35,653	266,999	36,874
Finished Motor Gasoline	--	--	142,978	80	1,424	11,956	438	--	7,456	148,544	2,342
Reformulated	--	--	99,079	--	--	1,582	0	--	--	100,661	16
Conventional	--	--	43,899	80	1,424	10,374	438	--	7,456	47,883	2,326
Finished Aviation Gasoline	--	--	112	3	--	--	44	--	--	71	274
Kerosene-Type Jet Fuel	--	--	42,816	5,069	1,026	--	-43	--	2,975	45,979	10,200
Kerosene	--	--	58	--	--	--	-23	--	15	66	19
Distillate Fuel Oil	--	--	48,242	620	3,548	148	-709	--	10,055	43,212	13,363
15 ppm sulfur and under	--	--	45,671	620	3,548	148	-982	--	7,111	43,859	12,146
Greater than 15 ppm to 500 ppm sulfur	--	--	969	--	--	--	55	--	1,216	-302	295
Greater than 500 ppm sulfur	--	--	1,602	--	--	--	218	--	1,729	-345	922
Residual Fuel Oil ⁶	--	--	10,515	3,324	--	--	961	--	2,689	10,189	5,211
Less than 0.31 percent sulfur	--	--	29	--	--	--	57	--	NA	NA	224
0.31 to 1.00 percent sulfur	--	--	1,894	313	--	--	266	--	NA	NA	786
Greater than 1.00 percent sulfur	--	--	8,592	3,011	--	--	634	--	NA	NA	4,191
Petrochemical Feedstocks	--	--	7	96	--	--	-1	--	--	104	1
Naphtha for Petro. Feed. Use	--	--	7	96	--	--	-1	--	--	104	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	103	--	--	--	-18	--	--	121	27
Lubricants	--	--	1,965	36	-80	--	217	--	1,055	649	1,232
Waxes	--	--	--	123	--	--	--	--	17	106	--
Petroleum Coke	--	--	14,040	63	21	--	400	--	11,224	2,500	1,756
Marketable	--	--	10,869	63	21	--	400	--	11,224	-671	1,756
Catalyst	--	--	3,171	--	--	--	--	--	--	3,171	--
Asphalt and Road Oil	--	--	1,938	292	1,717	--	656	--	94	3,197	2,342
Still Gas	--	--	10,987	--	--	--	--	--	--	10,987	--
Miscellaneous Products	--	--	1,331	--	--	--	-15	--	72	1,274	107
Total	95,348	2,485	278,219	137,035	56,087	6,411	1,626	260,026	39,790	274,143	145,777

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	991	--	--	1,277	187	125	20	2,552	9	0
Hydrocarbon Gas Liquids	70	0	70	46	27	--	15	90	31	76
Natural Gas Liquids	70	0	63	46	27	--	14	90	31	70
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	10	--	41	31	10	--	-1	--	27	64
Normal Butane	15	--	9	14	13	--	7	31	4	10
Isobutane	11	--	13	1	4	--	7	27	0	-5
Natural Gasoline	34	0	--	--	--	--	1	31	0	2
Refinery Olefins	--	--	7	0	--	--	0	--	--	6
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	7	0	--	--	0	--	--	7
Butylene	--	--	0	--	--	--	0	--	--	-1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	28	--	112	393	-113	16	334	18	53
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	28	--	13	211	-25	-3	221	10	0
Hydrogen	--	--	--	--	--	43	--	43	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	28	--	13	211	-67	-3	179	10	0
Fuel Ethanol	--	21	--	--	200	-51	2	158	9	0
Renewable Fuels Except Fuel Ethanol	--	8	--	13	11	-16	-4	21	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	97	--	--	64	-21	2	53
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	182	-88	-45	134	7	0
Reformulated	--	--	--	--	97	-29	-41	109	0	0
Conventional	--	--	--	2	85	-59	-4	25	7	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,103	120	90	147	22	--	379	3,058
Finished Motor Gasoline	--	--	1,623	--	24	139	-3	--	93	1,697
Reformulated	--	--	1,125	--	--	20	0	--	--	1,146
Conventional	--	--	497	--	24	119	-3	--	93	551
Finished Aviation Gasoline	--	--	1	--	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	503	59	12	--	-3	--	42	534
Kerosene	--	--	1	--	--	--	0	--	0	1
Distillate Fuel Oil	--	--	518	4	37	7	-9	--	78	498
15 ppm sulfur and under	--	--	485	4	37	7	-13	--	55	492
Greater than 15 ppm to 500 ppm sulfur	--	--	10	--	--	--	0	--	2	9
Greater than 500 ppm sulfur	--	--	22	--	--	--	4	--	21	-3
Residual Fuel Oil ⁶	--	--	108	50	--	--	11	--	43	103
Less than 0.31 percent sulfur	--	--	0	--	--	--	-5	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	18	3	--	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	89	47	--	--	13	--	NA	NA
Petrochemical Feedstocks	--	--	0	2	--	--	0	--	--	2
Naphtha for Petro. Feed. Use	--	--	0	2	--	--	0	--	--	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	22	0	--	--	10	--	4	8
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	164	1	-1	--	9	--	117	38
Marketable	--	--	128	1	-1	--	9	--	117	1
Catalyst	--	--	36	--	--	--	--	--	--	36
Asphalt and Road Oil	--	--	23	3	17	--	8	--	1	34
Still Gas	--	--	125	--	--	--	--	--	--	125
Miscellaneous Products	--	--	15	--	--	--	0	--	0	15
Total	1,061	28	3,173	1,555	697	159	72	2,976	437	3,187

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2018
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	990	--	--	1,260	149	35	-14	2,443	6	0
Hydrocarbon Gas Liquids	69	0	35	37	24	--	-8	96	28	48
Natural Gas Liquids	69	0	26	37	24	--	-8	96	28	39
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	10	--	38	24	6	--	-10	--	25	63
Normal Butane	15	--	-18	12	14	--	-2	36	4	-16
Isobutane	11	--	7	1	4	--	4	28	0	-9
Natural Gasoline	34	0	--	--	--	--	0	31	0	1
Refinery Olefins	--	--	9	0	--	--	0	--	--	9
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	9	0	--	--	0	--	--	9
Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	28	--	118	365	-98	19	351	12	31
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	28	--	14	190	-8	5	215	4	0
Hydrogen	--	--	--	--	--	40	--	40	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	28	--	14	190	-49	5	175	4	0
Fuel Ethanol	--	20	--	--	183	-43	1	154	4	0
Renewable Fuels Except Fuel Ethanol	--	8	--	14	8	-6	4	20	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	94	--	--	31	30	2	31
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	10	174	-90	-17	106	5	0
Reformulated	--	--	--	3	90	-17	-24	100	0	0
Conventional	--	--	--	6	84	-72	7	5	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,057	108	85	134	21	--	396	2,967
Finished Motor Gasoline	--	--	1,589	1	16	133	5	--	83	1,650
Reformulated	--	--	1,101	--	--	18	0	--	--	1,118
Conventional	--	--	488	1	16	115	5	--	83	532
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	476	56	11	--	0	--	33	511
Kerosene	--	--	1	--	--	--	0	--	0	1
Distillate Fuel Oil	--	--	536	7	39	2	-8	--	112	480
15 ppm sulfur and under	--	--	507	7	39	2	-11	--	79	487
Greater than 15 ppm to 500 ppm sulfur	--	--	11	--	--	--	1	--	14	-3
Greater than 500 ppm sulfur	--	--	18	--	--	--	2	--	19	-4
Residual Fuel Oil ⁶	--	--	117	37	--	--	11	--	30	113
Less than 0.31 percent sulfur	--	--	0	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	21	3	--	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	95	33	--	--	7	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	22	0	-1	--	2	--	12	7
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	156	1	0	--	4	--	125	28
Marketable	--	--	121	1	0	--	4	--	125	-7
Catalyst	--	--	35	--	--	--	--	--	--	35
Asphalt and Road Oil	--	--	22	3	19	--	7	--	1	36
Still Gas	--	--	122	--	--	--	--	--	--	122
Miscellaneous Products	--	--	15	--	--	--	0	--	1	14
Total	1,059	28	3,091	1,523	623	71	18	2,889	442	3,046

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, March 2018
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,655	59,120	207,683	25,506	30,726	324,690	10,474
Alaskan	--	--	--	--	--	15,878	512
Lower 48 States	--	--	--	--	--	308,812	9,962
Imports (PAD District of Entry)	21,057	83,886	80,252	11,289	39,602	236,086	7,616
Commercial	21,057	83,886	80,252	11,289	39,602	236,086	7,616
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	6,776	-9,105	11,625	-15,093	5,798	--	--
Adjustments ¹	1,686	-4,996	8,150	-1,137	3,884	7,587	245
Disposition							
Stock Change ²	-596	10,471	-12,021	1,453	619	-74	-2
Commercial	--	--	-12,019	--	--	-72	-2
SPR	--	--	-2	--	--	-2	0
Refinery Inputs	28,513	114,909	275,017	19,058	79,127	516,624	16,665
Exports	3,257	3,525	44,714	53	264	51,813	1,671
Ending Stocks							
Total	11,767	121,570	882,869	22,965	49,733	1,088,904	--
Commercial	11,767	121,570	217,413	22,965	49,733	423,448	--
Refinery	9,696	14,200	45,850	2,637	22,197	94,580	--
Tank Farms and Pipelines	2,071	107,370	171,563	20,328	22,578	323,910	--
Cushing, Oklahoma	--	35,732	--	--	--	35,732	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	4,958	4,958	--
SPR	--	--	665,456	--	--	665,456	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	61.1	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	35.7	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	245	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	21,057	83,886	80,252	11,289	39,602	236,086	7,616
PAD District of Processing	22,532	74,065	90,080	9,353	40,056	236,086	7,616

-- = Not Applicable.

-- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, March 2018
(Thousand Barrels)

PAD District and State	March 2018		January-March 2018	
	Total	Daily Average	Total	Daily Average
PAD District 1	1,655	53	4,654	52
Florida	163	5	473	5
New York	19	1	54	1
Pennsylvania	560	18	1,586	18
Virginia	1	0	2	0
West Virginia	913	29	2,538	28
PAD District 2	59,120	1,907	170,177	1,891
Illinois	714	23	1,934	21
Indiana	139	4	395	4
Kansas	2,993	97	8,551	95
Kentucky	369	12	557	6
Michigan	445	14	1,324	15
Missouri	9	0	25	0
Nebraska	174	6	501	6
North Dakota	35,665	1,150	103,796	1,153
Ohio	1,686	54	4,733	53
Oklahoma	16,800	542	47,991	533
South Dakota	109	4	321	4
Tennessee	18	1	49	1
PAD District 3	207,683	6,699	584,476	6,494
Alabama	521	17	1,519	17
Arkansas	422	14	1,228	14
Louisiana	4,051	131	11,484	128
Mississippi	1,488	48	4,253	47
New Mexico	19,371	625	52,574	584
Texas	129,203	4,168	362,169	4,024
Federal Offshore PAD District 3	52,627	1,698	151,250	1,681
PAD District 4	25,506	823	73,342	815
Colorado	13,422	433	38,903	432
Idaho	6	0	16	0
Montana	1,653	53	4,957	55
Utah	3,251	105	9,171	102
Wyoming	7,173	231	20,296	226
PAD District 5	30,726	991	89,144	990
Alaska	15,878	512	45,983	511
South Alaska	484	16	1,426	16
North Slope	15,394	497	44,557	495
Arizona	1	0	3	0
California	14,324	462	41,667	463
Nevada	20	1	64	1
Federal Offshore PAD District 5	504	16	1,426	16
U.S. Total	324,690	10,474	921,793	10,242

– = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	14	14,416	14,430	5,329	8,110	15,719	29,158
Natural Gas Liquids	14	14,416	14,430	5,329	8,110	15,719	29,158
Ethane	—	6,205	6,205	1,627	2,616	6,400	10,643
Propane	4	4,788	4,792	2,341	2,869	5,115	10,325
Normal Butane	10	1,411	1,421	430	1,266	1,773	3,469
Isobutane	—	710	710	526	337	840	1,703
Natural Gasoline	—	1,302	1,302	405	1,022	1,591	3,018

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	51,471	5,350	5,774	980	6,795	70,370	13,247	2,165	129,370
Natural Gas Liquids	51,471	5,350	5,774	980	6,795	70,370	13,247	2,165	129,370
Ethane	22,098	2,682	2,371	340	2,802	30,293	4,365	1	51,507
Propane	15,894	1,435	1,834	220	2,167	21,550	4,540	304	41,511
Normal Butane	5,215	-3,294	617	103	672	3,313	1,752	470	10,425
Isobutane	3,061	4,094	375	80	463	8,073	787	330	11,603
Natural Gasoline	5,203	433	577	237	691	7,141	1,803	1,060	14,324

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	5	217	222	745	137	313	1,195
Natural Gas Liquids	5	217	222	745	137	313	1,195
Ethane	—	—	—	94	2	84	180
Propane	2	82	84	380	55	85	520
Normal Butane	3	64	67	78	19	38	135
Isobutane	—	10	10	77	3	56	136
Natural Gasoline	—	61	61	116	58	50	224

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	157	401	373	27	—	958	147	253	2,775
Natural Gas Liquids	157	401	373	27	—	958	147	253	2,775
Ethane	2	136	—	—	—	138	1	—	319
Propane	42	164	31	17	—	254	63	12	933
Normal Butane	40	68	129	6	—	243	31	121	597
Isobutane	25	6	44	—	—	75	13	77	311
Natural Gasoline	48	27	169	4	—	248	39	43	615

— = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	26,870	1,643	28,513	73,099	16,552	25,258	114,909
Hydrocarbon Gas Liquids	1,578	9	1,587	1,800	111	1,162	3,073
Natural Gas Liquids	1,578	9	1,587	1,800	111	1,162	3,073
Normal Butane	886	9	895	313	54	274	641
Isobutane	457	—	457	1,176	49	497	1,722
Natural Gasoline	235	—	235	311	8	391	710
Other Liquids	77,726	6,495	84,221	11,608	1,736	2,528	15,872
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	10,054	746	10,800	5,917	1,443	1,835	9,195
Hydrogen	84	8	92	621	288	195	1,104
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,970	738	10,708	5,245	1,155	1,640	8,040
Fuel Ethanol	9,714	688	10,402	4,937	1,051	1,595	7,583
Renewable Diesel Fuel	256	50	306	308	104	45	457
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	51	—	—	51
Unfinished Oils (net)	-501	-102	-603	189	-464	485	210
Naphthas and Lighter	398	-16	382	476	-188	200	488
Kerosene and Light Gas Oils	-234	—	-234	18	-153	-128	-263
Heavy Gas Oils	-746	-82	-828	91	-122	341	310
Residuum	81	-4	77	-396	-1	72	-325
Motor Gasoline Blend.Comp. (MGBC)(net)	68,173	5,851	74,024	5,502	757	208	6,467
Reformulated - RBOB	17,475	98	17,573	-247	1,090	1,029	1,872
Conventional	50,698	5,753	56,451	5,749	-333	-821	4,595
CBOB	42,188	5,751	47,939	6,733	-268	-739	5,726
GTAB	2,360	—	2,360	—	—	—	—
Other	6,150	2	6,152	-984	-65	-82	-1,131
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	106,174	8,147	114,321	86,507	18,399	28,948	133,854

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	17,058	144,645	101,935	7,432	3,947	275,017	19,058	79,127	516,624
Hydrocarbon Gas Liquids	303	4,554	4,082	90	178	9,207	591	2,780	17,238
Natural Gas Liquids	303	4,554	4,082	90	178	9,207	591	2,780	17,238
Normal Butane	145	1,245	922	37	—	2,349	207	971	5,063
Isobutane	75	1,975	1,668	51	170	3,939	251	844	7,213
Natural Gasoline	83	1,334	1,492	2	8	2,919	133	965	4,962
Other Liquids	11,876	-44,190	-26,121	7,582	-250	-51,103	27	10,347	59,364
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	2,236	3,203	2,453	1,202	251	9,345	1,172	6,857	37,369
Hydrogen	30	2,225	1,774	76	47	4,152	219	1,318	6,885
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	2,206	978	679	1,126	204	5,193	953	5,539	30,433
Fuel Ethanol	2,103	882	500	1,040	172	4,697	903	4,901	28,486
Renewable Diesel Fuel	103	96	179	86	32	496	50	637	1,946
Other Renewable Fuels	—	—	—	—	—	—	—	1	1
Other Hydrocarbons	—	—	—	—	—	—	—	—	51
Unfinished Oils (net)	604	-6,329	5,835	-103	-101	-94	-117	-662	-1,266
Naphthas and Lighter	577	-7,669	-851	29	-23	-7,937	-28	-1,049	-8,144
Kerosene and Light Gas Oils	66	-2,117	1,698	-104	-111	-568	-301	-666	-2,032
Heavy Gas Oils	-145	3,266	3,955	-26	33	7,083	220	885	7,670
Residuum	106	191	1,033	-2	—	1,328	-8	168	1,240
Motor Gasoline Blend.Comp. (MGBC)(net)	9,036	-41,064	-34,402	6,483	-400	-60,347	-1,028	4,152	23,268
Reformulated - RBOB	5,484	-9,081	-2,937	—	-759	-7,293	—	3,379	15,531
Conventional	3,552	-31,983	-31,465	6,483	359	-53,054	-1,028	773	7,737
CBOB	3,108	-34,052	-30,127	6,391	290	-54,390	-1,387	376	-1,736
GTAB	—	—	—	—	—	—	—	—	2,360
Other	444	2,069	-1,338	92	69	1,336	359	397	7,113
Aviation Gasoline Blend. Comp. (net)	0	—	-7	—	—	-7	—	—	-7
Total Input	29,237	105,009	79,896	15,104	3,875	233,121	19,676	92,254	593,226

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	529	15	544	2,164	327	571	3,062
Natural Gas Liquids	427	15	442	1,278	202	326	1,806
Ethane	-	-	-	-	-	-	-
Propane	556	12	568	1,481	315	486	2,282
Normal Butane	-68	3	-65	-103	-83	-114	-300
Isobutane	-61	-	-61	-100	-30	-46	-176
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	102	-	102	886	125	245	1,256
Ethylene	-	-	-	-	-	-	-
Propylene	126	-	126	843	149	246	1,238
Butylene	-24	-	-24	43	-24	-1	18
Isobutylene	-	-	-	-	-	-	-
Finished Motor Gasoline	92,732	7,058	99,790	51,570	10,276	16,488	78,334
Reformulated	39,432	106	39,538	8,622	1,575	1,237	11,434
Reformulated Blended with Fuel Ethanol	39,432	106	39,538	8,622	1,575	1,237	11,434
Reformulated Other	-	-	-	-	-	-	-
Conventional	53,300	6,952	60,252	42,948	8,701	15,251	66,900
Conventional Blended with Fuel Ethanol	56,787	6,680	63,467	40,274	9,174	14,305	63,753
Ed55 and Lower	56,745	6,680	63,425	40,262	9,152	14,238	63,652
Greater than Ed55	42	-	42	12	22	67	101
Conventional Other	-3,487	272	-3,215	2,674	-473	946	3,147
Finished Aviation Gasoline	-	-	-	-	62	-	62
Kerosene-Type Jet Fuel	2,164	-	2,164	5,926	1,027	717	7,670
Kerosene	31	-	31	1	-	-	1
Distillate Fuel Oil	8,092	498	8,590	19,303	4,791	10,003	34,097
15 ppm sulfur and under	6,951	418	7,369	19,354	4,761	10,116	34,231
Greater than 15 ppm to 500 ppm sulfur	-53	68	15	-	31	83	114
Greater than 500 ppm sulfur	1,194	12	1,206	-51	-1	-196	-248
Residual Fuel Oil	913	2	915	922	227	124	1,273
Less than 0.31 percent sulfur	73	2	75	-	-	-	-
0.31 to 1.00 percent sulfur	291	-	291	144	66	-	210
Greater than 1.00 percent sulfur	549	-	549	778	161	124	1,063
Petrochemical Feedstocks	108	-	108	810	-	53	863
Naphtha for Petro. Feed. Use	108	-	108	511	-	-	511
Other Oils for Petro. Feed. Use	-	-	-	299	-	53	352
Special Naphthas	-	20	20	53	-	17	70
Lubricants	238	189	427	-	-	0	0
Waxes	-	15	15	-	-	1	1
Petroleum Coke	875	5	880	3,586	946	943	5,475
Marketable	393	-	393	2,535	769	716	4,020
Catalyst	482	5	487	1,051	177	227	1,455
Asphalt and Road Oil	292	237	529	3,364	1,238	290	4,892
Still Gas	1,217	38	1,255	2,627	657	1,086	4,370
Miscellaneous Products	56	9	65	324	125	56	505
Total	107,247	8,086	115,333	90,650	19,676	30,349	140,675
Processing Gain(-) or Loss(+) ¹	-1,073	61	-1,012	-4,143	-1,277	-1,401	-6,821

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	373	7,165	5,795	88	50	13,471	339	2,155	19,571
Natural Gas Liquids	74	3,512	2,635	66	50	6,337	275	1,951	10,811
Ethane	1	161	80	—	—	242	—	—	242
Propane	282	2,462	1,949	26	52	4,771	270	1,264	9,155
Normal Butane	6	1,126	384	40	-2	1,554	50	273	1,512
Isobutane	-215	-237	222	—	—	-230	-45	414	-98
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	299	3,653	3,160	22	—	7,134	64	204	8,760
Ethylene	—	7	—	—	—	7	—	—	7
Propylene	298	3,610	3,030	22	—	6,960	12	212	8,548
Butylene	1	59	130	—	—	190	52	-8	228
Isobutylene	—	-23	—	—	—	-23	—	—	-23
Finished Motor Gasoline	21,563	25,127	15,279	9,682	2,023	73,674	9,505	50,298	311,601
Reformulated	7,900	6,873	—	—	—	14,773	—	34,879	100,624
Reformulated Blended with Fuel Ethanol	7,900	6,873	—	—	—	14,773	—	34,879	100,624
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	13,663	18,254	15,279	9,682	2,023	58,901	9,505	15,419	210,977
Conventional Blended with Fuel Ethanol	12,825	1,808	4,950	10,283	1,703	31,569	9,020	14,055	181,864
Ed55 and Lower	12,811	1,808	4,950	10,269	1,703	31,541	9,007	14,052	181,677
Greater than Ed55	14	—	—	14	—	28	13	3	187
Conventional Other	838	16,446	10,329	-601	320	27,332	485	1,364	29,113
Finished Aviation Gasoline	51	84	154	—	—	289	5	25	381
Kerosene-Type Jet Fuel	1,308	15,057	12,148	200	—	28,713	1,149	15,605	55,301
Kerosene	29	-2	73	6	—	106	—	20	158
Distillate Fuel Oil	4,975	41,214	34,041	2,695	1,606	84,531	6,304	16,046	149,568
15 ppm sulfur and under	4,971	39,245	28,209	2,566	1,606	76,597	6,298	15,047	139,542
Greater than 15 ppm to 500 ppm sulfur	4	272	791	18	—	1,085	9	316	1,539
Greater than 500 ppm sulfur	—	1,697	5,041	111	—	6,849	-3	683	8,487
Residual Fuel Oil	321	2,555	3,718	-53	44	6,585	372	3,336	12,481
Less than 0.31 percent sulfur	211	34	1,048	—	—	1,293	200	5	1,573
0.31 to 1.00 percent sulfur	—	132	365	-53	18	462	18	570	1,551
Greater than 1.00 percent sulfur	110	2,389	2,305	—	26	4,830	154	2,761	9,357
Petrochemical Feedstocks	104	5,591	2,591	17	—	8,303	—	3	9,277
Naphtha for Petro. Feed. Use	100	4,204	1,092	17	—	5,413	—	3	6,035
Other Oils for Petro. Feed. Use	4	1,387	1,499	—	—	2,890	—	—	3,242
Special Naphthas	18	882	—	226	—	1,126	—	35	1,251
Lubricants	26	1,940	1,875	936	—	4,777	—	697	5,901
Waxes	—	43	39	21	—	103	—	—	119
Petroleum Coke	204	8,799	6,283	153	35	15,474	828	5,083	27,740
Marketable	29	6,761	4,998	138	—	11,926	584	3,962	20,885
Catalyst	175	2,038	1,285	15	35	3,548	244	1,121	6,855
Asphalt and Road Oil	246	386	811	927	85	2,455	1,233	727	9,836
Still Gas	624	5,879	4,206	197	73	10,979	671	3,860	21,135
Miscellaneous Products	81	975	613	18	56	1,743	92	473	2,878
Total	29,923	115,695	87,626	15,113	3,972	252,329	20,498	98,363	627,198
Processing Gain(-) or Loss(+) ¹	-686	-10,686	-7,730	-9	-97	-19,208	-822	-6,109	-33,972

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	26,870	1,643	28,513	73,099	16,552	25,258	114,909
Hydrocarbon Gas Liquids	861	—	861	1,661	49	835	2,545
Natural Gas Liquids	861	—	861	1,661	49	835	2,545
Normal Butane	404	—	404	174	—	13	187
Isobutane	457	—	457	1,176	49	497	1,722
Natural Gasoline	—	—	—	311	—	325	636
Other Liquids	-13,517	83	-13,434	-34,071	-6,766	-11,160	-51,997
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	165	57	222	966	457	322	1,745
Hydrogen	84	8	92	621	288	195	1,104
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	81	49	130	294	169	127	590
Fuel Ethanol	81	39	120	180	110	121	411
Renewable Diesel Fuel	—	10	10	114	59	6	179
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	51	—	—	51
Unfinished Oils (net)	-501	-102	-603	104	-464	485	125
Naphthas and Lighter	398	-16	382	476	-188	200	488
Kerosene and Light Gas Oils	-234	—	-234	18	-153	-128	-263
Heavy Gas Oils	-746	-82	-828	91	-122	341	310
Residuum	81	-4	77	-481	-1	72	-410
Motor Gasoline Blend.Comp. (MGBC)(net)	-13,181	128	-13,053	-35,141	-6,759	-11,967	-53,867
Reformulated - RBOB	-8,716	—	-8,716	-7,853	-327	-80	-8,260
Conventional	-4,465	128	-4,337	-27,288	-6,432	-11,887	-45,607
CBOB	-4,679	126	-4,553	-26,304	-6,367	-11,805	-44,476
GTAB	—	—	—	—	—	—	—
Other	214	2	216	-984	-65	-82	-1,131
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	14,214	1,726	15,940	40,689	9,835	14,933	65,457
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	867	54	920	2,333	533	816	3,682
Operable Capacity (daily average)	1,125	98	1,224	2,640	540	912	4,092
Operable Utilization Rate (percent) ²	77.0	54.6	75.2	88.4	98.7	89.5	90.0
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	160	9	169	431	72	161	664
Catalytic Cracking	267	4	271	708	147	220	1,074
Catalytic Hydrocracking	25	—	25	143	60	62	265
Delayed and Fluid Coking	49	—	49	292	72	86	450
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.64	1.08	0.66	1.52	1.97	0.88	1.45
API Gravity, Weighted Average (degrees)	36.75	35.94	36.70	33.23	27.75	37.51	33.32
Operable Capacity (daily average)	1,125	98	1,224	2,640	540	912	4,092
Operating	1,125	98	1,224	2,613	540	912	4,065
Idle	—	—	—	28	—	—	28
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	17,058	144,645	101,935	7,432	3,947	275,017	19,058	79,127	516,624
Hydrocarbon Gas Liquids	228	3,867	3,928	53	178	8,254	519	2,713	14,892
Natural Gas Liquids	228	3,867	3,928	53	178	8,254	519	2,713	14,892
Normal Butane	83	993	768	—	—	1,844	160	904	3,499
Isobutane	75	1,975	1,668	51	170	3,939	247	844	7,209
Natural Gasoline	70	899	1,492	2	8	2,471	112	965	4,184
Other Liquids	-6,460	-56,185	-28,804	-1,749	-1,458	-94,656	-4,697	-36,362	-201,146
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	305	2,295	2,139	167	110	5,016	534	1,640	9,157
Hydrogen	30	2,225	1,774	76	47	4,152	219	1,318	6,885
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	275	70	365	91	63	864	315	322	2,221
Fuel Ethanol	215	51	186	28	50	530	279	91	1,431
Renewable Diesel Fuel	60	19	179	63	13	334	36	231	790
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	51
Unfinished Oils (net)	604	-6,125	5,776	-103	-101	51	-117	-662	-1,206
Naphthas and Lighter	577	-7,669	-851	29	-23	-7,937	-28	-1,049	-8,144
Kerosene and Light Gas Oils	66	-1,913	1,652	-104	-111	-410	-301	-666	-1,874
Heavy Gas Oils	-145	3,266	3,942	-26	33	7,070	220	885	7,657
Residuum	106	191	1,033	-2	—	1,328	-8	168	1,155
Motor Gasoline Blend.Comp. (MGBBC)(net)	-7,369	-52,355	-36,712	-1,813	-1,467	-99,716	-5,114	-37,340	-209,090
Reformulated - RBOB	-1,592	-13,929	-2,937	—	-759	-19,217	—	-27,451	-63,644
Conventional	-5,777	-38,426	-33,775	-1,813	-708	-80,499	-5,114	-9,889	-145,446
CBOB	-6,221	-32,836	-31,621	-1,797	-777	-73,252	-5,470	-10,284	-138,035
GTAB	—	—	—	—	—	—	—	—	—
Other	444	-5,590	-2,154	-16	69	-7,247	356	395	-7,411
Aviation Gasoline Blend. Comp. (net)	0	—	-7	—	—	-7	—	—	-7
Total Input to Refineries	10,826	92,327	77,059	5,736	2,667	188,615	14,880	45,478	330,370
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	552	4,726	3,398	212	127	9,014	630	2,716	16,963
Operable Capacity (daily average)	747	4,955	3,658	256	137	9,752	683	2,838	18,588
Operable Utilization Rate (percent) ²	73.9	95.4	92.9	82.6	93.2	92.4	92.4	95.7	91.3
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	119	556	497	34	22	1,229	86	392	2,540
Catalytic Cracking	127	1,389	989	18	34	2,557	166	761	4,829
Catalytic Hydrocracking	50	474	444	15	18	1,001	25	457	1,774
Delayed and Fluid Coking	4	765	545	25	—	1,339	65	477	2,381
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.44	1.71	1.51	1.49	0.71	1.53	1.52	1.42	1.45
API Gravity, Weighted Average (degrees)	40.97	31.65	30.42	31.78	39.41	31.93	32.70	28.06	31.89
Operable Capacity (daily average)	747	4,955	3,658	256	137	9,752	683	2,838	18,588
Operating	747	4,955	3,658	256	137	9,752	673	2,838	18,551
Idle	—	—	—	—	—	—	10	—	37
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	15,253	15,253

— = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	529	15	544	2,164	327	571	3,062
Natural Gas Liquids	427	15	442	1,278	202	326	1,806
Ethane	-	-	-	-	-	-	-
Propane	556	12	568	1,481	315	486	2,282
Normal Butane	-68	3	-65	-103	-83	-114	-300
Isobutane	-61	-	-61	-100	-30	-46	-176
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	102	-	102	886	125	245	1,256
Ethylene	-	-	-	-	-	-	-
Propylene	126	-	126	843	149	246	1,238
Butylene	-24	-	-24	43	-24	-1	18
Isobutylene	-	-	-	-	-	-	-
Finished Motor Gasoline	807	677	1,484	6,030	1,757	2,513	10,300
Reformulated	807	-	807	-	-	-	-
Reformulated Blended with Fuel Ethanol	807	-	807	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	677	677	6,030	1,757	2,513	10,300
Conventional Blended with Fuel Ethanol	-	393	393	1,833	1,441	1,236	4,510
Ed55 and Lower	-	393	393	1,833	1,441	1,236	4,510
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	284	284	4,197	316	1,277	5,790
Finished Aviation Gasoline	-	-	-	-	62	-	62
Kerosene-Type Jet Fuel	2,166	-	2,166	5,926	1,027	717	7,670
Kerosene	40	-	40	1	-	-	1
Distillate Fuel Oil	8,023	458	8,481	19,112	4,746	9,965	33,823
15 ppm sulfur and under	6,932	378	7,310	19,163	4,716	10,078	33,957
Greater than 15 ppm to 500 ppm sulfur	11	68	79	-	31	-16	15
Greater than 500 ppm sulfur	1,080	12	1,092	-51	-1	-97	-149
Residual Fuel Oil	934	2	936	922	227	124	1,273
Less than 0.31 percent sulfur	113	2	115	-	-	-	-
0.31 to 1.00 percent sulfur	289	-	289	144	66	-	210
Greater than 1.00 percent sulfur	532	-	532	778	161	124	1,063
Petrochemical Feedstocks	108	-	108	810	-	53	863
Naphtha for Petro. Feed. Use	108	-	108	511	-	-	511
Other Oils for Petro. Feed. Use	-	-	-	299	-	53	352
Special Naphthas	-	20	20	53	-	17	70
Lubricants	238	189	427	-	-	0	0
Waxes	-	15	15	-	-	1	1
Petroleum Coke	875	5	880	3,586	946	943	5,475
Marketable	393	-	393	2,535	769	716	4,020
Catalyst	482	5	487	1,051	177	227	1,455
Asphalt and Road Oil	292	237	529	3,279	1,238	290	4,807
Still Gas	1,217	38	1,255	2,627	657	1,086	4,370
Miscellaneous Products	56	9	65	324	125	56	505
Total	15,285	1,665	16,950	44,834	11,112	16,336	72,282
Processing Gain(-) or Loss(+) ¹	-1,071	61	-1,010	-4,145	-1,277	-1,403	-6,825

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	373	7,165	5,795	88	50	13,471	339	2,155	19,571
Natural Gas Liquids	74	3,512	2,635	66	50	6,337	275	1,951	10,811
Ethane	1	161	80	—	—	242	—	—	242
Propane	282	2,462	1,949	26	52	4,771	270	1,264	9,155
Normal Butane	6	1,126	384	40	-2	1,554	50	273	1,512
Isobutane	-215	-237	222	—	—	-230	-45	414	-98
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	299	3,653	3,160	22	—	7,134	64	204	8,760
Ethylene	—	7	—	—	—	7	—	—	7
Propylene	298	3,610	3,030	22	—	6,960	12	212	8,548
Butylene	1	59	130	—	—	190	52	-8	228
Isobutylene	—	-23	—	—	—	-23	—	—	-23
Finished Motor Gasoline	3,203	12,317	12,502	337	834	29,193	4,727	3,927	49,631
Reformulated	—	—	—	—	—	—	—	613	1,420
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	613	1,420
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	3,203	12,317	12,502	337	834	29,193	4,727	3,314	48,211
Conventional Blended with Fuel Ethanol	2,119	507	1,836	281	476	5,219	2,826	293	13,241
Ed55 and Lower	2,115	507	1,836	281	476	5,215	2,826	293	13,237
Greater than Ed55	4	—	—	—	—	4	—	—	4
Conventional Other	1,084	11,810	10,666	56	358	23,974	1,901	3,021	34,970
Finished Aviation Gasoline	51	84	154	—	—	289	5	25	381
Kerosene-Type Jet Fuel	1,308	15,057	12,138	200	—	28,703	1,098	15,672	55,309
Kerosene	29	-2	70	6	—	103	—	0	144
Distillate Fuel Oil	4,924	41,316	34,054	2,672	1,587	84,553	6,341	15,599	148,797
15 ppm sulfur and under	4,920	39,317	28,222	2,543	1,587	76,589	6,335	14,620	138,811
Greater than 15 ppm to 500 ppm sulfur	4	272	791	18	—	1,085	9	316	1,504
Greater than 500 ppm sulfur	—	1,727	5,041	111	—	6,879	-3	663	8,482
Residual Fuel Oil	321	2,581	3,703	-53	44	6,596	372	3,331	12,508
Less than 0.31 percent sulfur	211	25	1,048	—	—	1,284	200	—	1,599
0.31 to 1.00 percent sulfur	—	141	365	-53	18	471	18	570	1,558
Greater than 1.00 percent sulfur	110	2,415	2,290	—	26	4,841	154	2,761	9,351
Petrochemical Feedstocks	104	5,591	2,591	17	—	8,303	—	3	9,277
Naphtha for Petro. Feed. Use	100	4,204	1,092	17	—	5,413	—	3	6,035
Other Oils for Petro. Feed. Use	4	1,387	1,499	—	—	2,890	—	—	3,242
Special Naphthas	18	882	—	226	—	1,126	—	35	1,251
Lubricants	26	1,940	1,875	936	—	4,777	—	697	5,901
Waxes	—	43	39	21	—	103	—	—	119
Petroleum Coke	204	8,799	6,283	153	35	15,474	828	5,083	27,740
Marketable	29	6,761	4,998	138	—	11,926	584	3,962	20,885
Catalyst	175	2,038	1,285	15	35	3,548	244	1,121	6,855
Asphalt and Road Oil	246	386	767	927	85	2,411	1,233	727	9,707
Still Gas	624	5,879	4,206	197	73	10,979	671	3,860	21,135
Miscellaneous Products	81	975	613	18	56	1,743	92	473	2,878
Total	11,512	103,013	84,790	5,745	2,764	207,824	15,706	51,587	364,349
Processing Gain(-) or Loss(+) ¹	-686	-10,686	-7,731	-9	-97	-19,209	-826	-6,109	-33,979

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, March 2018
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	717	9	726	139	62	327	528
Natural Gas Liquids	717	9	726	139	62	327	528
Normal Butane	482	9	491	139	54	261	454
Isobutane	—	—	—	—	—	—	—
Natural Gasoline	235	—	235	—	8	66	74
Other Liquids	91,243	6,412	97,655	45,679	8,502	13,688	67,869
Oxygenates/Renewables	9,889	689	10,578	4,951	986	1,513	7,450
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,889	689	10,578	4,951	986	1,513	7,450
Fuel Ethanol	9,633	649	10,282	4,757	941	1,474	7,172
Renewable Diesel Fuel	256	40	296	194	45	39	278
Other Renewable Fuels	—	—	—	—	—	—	—
Unfinished Oils (net)	—	—	—	85	—	—	85
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	85	—	—	85
Motor Gasoline Blend.Comp. (MGBC)(net)	81,354	5,723	87,077	40,643	7,516	12,175	60,334
Reformulated - RBOB	26,191	98	26,289	7,606	1,417	1,109	10,132
Conventional	55,163	5,625	60,788	33,037	6,099	11,066	50,202
CBOB	46,867	5,625	52,492	33,037	6,099	11,066	50,202
GTAB	2,360	—	2,360	—	—	—	—
Other	5,936	—	5,936	—	—	—	—
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	91,960	6,421	98,381	45,818	8,564	14,015	68,397

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	75	687	154	37	—	953	72	67	2,346
Natural Gas Liquids	75	687	154	37	—	953	72	67	2,346
Normal Butane	62	252	154	37	—	505	47	67	1,564
Isobutane	—	—	—	—	—	—	4	—	4
Natural Gasoline	13	435	—	—	—	448	21	—	778
Other Liquids	18,336	11,995	2,683	9,331	1,208	43,553	4,724	46,709	260,510
Oxygenates/Renewables	1,931	908	314	1,035	141	4,329	638	5,217	28,212
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,931	908	314	1,035	141	4,329	638	5,217	28,212
Fuel Ethanol	1,888	831	314	1,012	122	4,167	624	4,810	27,055
Renewable Diesel Fuel	43	77	—	23	19	162	14	406	1,156
Other Renewable Fuels	—	—	—	—	—	—	—	1	1
Unfinished Oils (net)	—	-204	59	—	—	-145	—	—	-60
Naphthas and Lighter	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	-204	46	—	—	-158	—	—	-158
Heavy Gas Oils	—	—	13	—	—	13	—	—	13
Residuum	—	—	—	—	—	—	—	—	85
Motor Gasoline Blend.Comp. (MGBC)(net)	16,405	11,291	2,310	8,296	1,067	39,369	4,086	41,492	232,358
Reformulated - RBOB	7,076	4,848	—	—	—	11,924	—	30,830	79,175
Conventional	9,329	6,443	2,310	8,296	1,067	27,445	4,086	10,662	153,183
CBOB	9,329	-1,216	1,494	8,188	1,067	18,862	4,083	10,660	136,299
GTAB	—	—	—	—	—	—	—	—	2,360
Other	—	7,659	816	108	—	8,583	3	2	14,524
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—	—	—
Total Input	18,411	12,682	2,837	9,368	1,208	44,506	4,796	46,776	262,856

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, March 2018
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	91,925	6,381	98,306	45,540	8,519	13,975	68,034
Reformulated	38,625	106	38,731	8,622	1,575	1,237	11,434
Reformulated Blended with Fuel Ethanol	38,625	106	38,731	8,622	1,575	1,237	11,434
Reformulated Other	-	-	-	-	-	-	-
Conventional	53,300	6,275	59,575	36,918	6,944	12,738	56,600
Conventional Blended with Fuel Ethanol	56,787	6,287	63,074	38,441	7,733	13,069	59,243
Ed55 and Lower	56,745	6,287	63,032	38,429	7,711	13,002	59,142
Greater than Ed55	42	-	42	12	22	67	101
Conventional Other	-3,487	-12	-3,499	-1,523	-789	-331	-2,643
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	-2	-	-2	-	-	-	-
Kerosene	-9	-	-9	-	-	-	-
Distillate Fuel Oil	69	40	109	191	45	38	274
15 ppm sulfur and under	19	40	59	191	45	38	274
Greater than 15 ppm to 500 ppm sulfur	-64	-	-64	-	-	99	99
Greater than 500 ppm sulfur	114	-	114	-	-	-99	-99
Residual Fuel Oil	-21	-	-21	-	-	-	-
Less than 0.31 percent sulfur	-40	-	-40	-	-	-	-
0.31 to 1.00 percent sulfur	2	-	2	-	-	-	-
Greater than 1.00 percent sulfur	17	-	17	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-	85	-	-	85
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	91,962	6,421	98,383	45,816	8,564	14,013	68,393
Processing Gain(-) or Loss(+) ¹	-2	0	-2	2	0	2	4

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	18,360	12,810	2,777	9,345	1,189	44,481	4,778	46,371	261,970
Reformulated	7,900	6,873	-	-	-	14,773	-	34,266	99,204
Reformulated Blended with Fuel Ethanol	7,900	6,873	-	-	-	14,773	-	34,266	99,204
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	10,460	5,937	2,777	9,345	1,189	29,708	4,778	12,105	162,766
Conventional Blended with Fuel Ethanol	10,706	1,301	3,114	10,002	1,227	26,350	6,194	13,762	168,623
Ed55 and Lower	10,696	1,301	3,114	9,988	1,227	26,326	6,181	13,759	168,440
Greater than Ed55	10	-	-	14	-	24	13	3	183
Conventional Other	-246	4,636	-337	-657	-38	3,358	-1,416	-1,657	-5,857
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	-	0	10	-	-	10	51	-67	-8
Kerosene	-	-	3	-	-	3	-	20	14
Distillate Fuel Oil	51	-102	-13	23	19	-22	-37	447	771
15 ppm sulfur and under	51	-72	-13	23	19	8	-37	427	731
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	35
Greater than 500 ppm sulfur	-	-30	-	-	-	-30	-	20	5
Residual Fuel Oil	-	-26	15	-	-	-11	-	5	-27
Less than 0.31 percent sulfur	-	9	-	-	-	9	-	5	-26
0.31 to 1.00 percent sulfur	-	-9	-	-	-	-9	-	-	-7
Greater than 1.00 percent sulfur	-	-26	15	-	-	-11	-	-	6
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	44	-	-	44	-	-	129
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	18,411	12,682	2,836	9,368	1,208	44,505	4,792	46,776	262,849
Processing Gain(-) or Loss(+) ¹	0	0	1	0	0	1	4	0	7

⁻ = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	9,057	639	9,696	9,992	2,286	1,922	14,200
Petroleum Products	14,274	2,568	16,842	30,125	9,574	11,305	51,004
Hydrocarbon Gas Liquids	696	22	718	1,943	354	1,007	3,304
Natural Gas Liquids	566	22	588	1,553	305	975	2,833
Ethane	—	—	—	—	—	—	—
Propane	156	7	163	373	37	301	711
Normal Butane	242	1	243	955	202	84	1,241
Isobutane	168	14	182	189	66	124	379
Natural Gasoline	—	—	—	36	—	466	502
Refinery Olefins	130	0	130	390	49	32	471
Ethylene	—	—	—	—	—	—	—
Propylene	30	0	30	265	21	28	314
Butylene	100	0	100	125	28	4	157
Isobutylene	0	0	0	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	52	87	139	85	64	32	181
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	52	87	139	53	64	32	149
Fuel Ethanol	52	81	133	39	53	28	120
Renewable Diesel Fuel	—	6	6	14	11	4	29
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	32	—	—	32
Unfinished Oils	5,025	399	5,424	8,596	826	3,704	13,126
Naphthas and Lighter	1,152	237	1,389	2,208	204	924	3,336
Kerosene and Light Gas Oils	703	—	703	2,176	281	523	2,980
Heavy Gas Oils	2,505	150	2,655	2,573	329	1,712	4,614
Residuum	665	12	677	1,639	12	545	2,196
Motor Gasoline Blending Components (MGBC)	4,796	352	5,148	8,470	2,791	3,638	14,899
Reformulated - RBOB	1,149	—	1,149	1,082	86	—	1,168
Conventional	3,647	352	3,999	7,388	2,705	3,638	13,731
CBOB	747	308	1,055	2,748	1,276	2,560	6,584
GTAB	—	—	—	—	—	—	—
Other	2,900	44	2,944	4,640	1,429	1,078	7,147
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	47	47	1,084	162	285	1,531
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	47	47	1,084	162	285	1,531
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	47	47	1,084	162	285	1,531
Finished Aviation Gasoline	—	—	—	—	100	—	100
Kerosene-Type Jet Fuel	447	—	447	1,366	291	203	1,860
Kerosene	152	2	154	69	—	12	81
Distillate Fuel Oil	2,036	261	2,297	4,131	1,236	1,681	7,048
15 ppm sulfur and under	1,448	143	1,591	3,832	1,112	1,548	6,492
Greater than 15 ppm to 500 ppm sulfur	34	93	127	—	72	45	117
Greater than 500 ppm sulfur	554	25	579	299	52	88	439
Residual Fuel Oil	544	21	565	708	160	49	917
Less than 0.31 percent sulfur	106	19	125	18	—	—	18
0.31 to 1.00 percent sulfur	121	2	123	105	19	—	124
Greater than 1.00 percent sulfur	317	—	317	585	141	49	775
Petrochemical Feedstocks	89	—	89	633	—	—	633
Naphtha for Petro. Feed. Use	89	—	89	455	—	—	455
Other Oils for Petro. Feed. Use	—	—	—	178	—	—	178
Special Naphthas	—	20	20	59	—	16	75
Lubricants	350	216	566	—	—	200	200
Waxes	—	547	547	—	—	33	33
Petroleum Coke	—	—	—	665	1,640	46	2,351
Marketable	—	—	—	665	1,640	46	2,351
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	75	579	654	2,237	1,926	390	4,553
Miscellaneous Products	12	15	27	79	24	9	112
Total Stocks, All Oils	23,331	3,207	26,538	40,117	11,860	13,227	65,204

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2018
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	1,987	25,936	16,393	1,224	310	45,850	2,637	22,197	94,580
Petroleum Products	8,605	61,053	50,462	4,378	1,341	125,839	11,270	55,817	260,772
Hydrocarbon Gas Liquids	1,754	1,856	3,695	14	46	7,365	436	1,477	13,300
Natural Gas Liquids	1,342	1,556	2,243	13	46	5,200	377	1,437	10,435
Ethane	295	—	—	—	—	295	—	—	295
Propane	492	378	125	1	5	1,001	51	123	2,049
Normal Butane	253	932	756	9	24	1,974	228	628	4,314
Isobutane	235	228	1,054	3	12	1,532	77	682	2,852
Natural Gasoline	67	18	308	—	5	398	21	4	925
Refinery Olefins	412	300	1,452	1	0	2,165	59	40	2,865
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	410	48	230	1	0	689	4	19	1,056
Butylene	2	251	1,222	0	0	1,475	55	21	1,808
Isobutylene	0	1	0	0	0	1	0	0	1
Oxygenates/Renewable Fuels/Other Hydrocarbons ...	33	43	251	49	10	386	119	166	991
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	33	43	251	49	10	386	119	166	959
Fuel Ethanol	28	21	56	33	7	145	108	39	545
Renewable Diesel Fuel	5	22	195	16	3	241	11	127	414
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	32
Unfinished Oils	2,520	22,790	17,074	995	662	44,041	3,130	21,850	87,571
Naphthas and Lighter	810	7,104	2,960	239	274	11,387	689	3,375	20,176
Kerosene and Light Gas Oils	834	4,009	2,542	306	195	7,886	671	4,459	16,699
Heavy Gas Oils	492	9,614	9,179	397	193	19,875	1,246	11,326	39,716
Residuum	384	2,063	2,393	53	—	4,893	524	2,690	10,980
Motor Gasoline Blending Components (MGBC)	2,105	13,122	12,446	315	261	28,249	3,182	14,905	66,383
Reformulated - RBOB	236	1,404	488	—	—	2,128	—	5,614	10,059
Conventional	1,869	11,718	11,958	315	261	26,121	3,182	9,291	56,324
CBOB	836	3,851	6,341	217	11	11,256	1,731	2,226	22,852
GTAB	—	—	—	—	—	—	—	—	—
Other	1,033	7,867	5,617	98	250	14,865	1,451	7,065	33,472
Aviation Gasoline Blending Components	22	—	19	—	—	41	—	—	41
Finished Motor Gasoline	400	1,086	1,407	20	87	3,000	800	1,125	6,503
Reformulated	—	—	—	—	—	—	—	16	16
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	16	16
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	400	1,086	1,407	20	87	3,000	800	1,109	6,487
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	55	—	55
Ed55 and Lower	—	—	—	—	—	—	55	—	55
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	400	1,086	1,407	20	87	3,000	745	1,109	6,432
Finished Aviation Gasoline	24	101	146	—	—	271	9	195	575
Kerosene-Type Jet Fuel	277	3,297	2,419	77	—	6,070	310	4,259	12,946
Kerosene	42	6	90	7	—	145	2	3	385
Distillate Fuel Oil	739	7,650	6,588	568	93	15,638	1,775	5,439	32,197
15 ppm sulfur and under	716	6,686	5,030	397	93	12,922	1,574	4,532	27,111
Greater than 15 ppm to 500 ppm sulfur	23	142	363	48	—	576	144	294	1,258
Greater than 500 ppm sulfur	—	822	1,195	123	—	2,140	57	613	3,828
Residual Fuel Oil	105	2,295	1,464	25	55	3,944	258	2,654	8,338
Less than 0.31 percent sulfur	6	—	182	—	—	188	30	—	361
0.31 to 1.00 percent sulfur	—	150	66	25	5	246	19	531	1,043
Greater than 1.00 percent sulfur	99	2,145	1,216	—	50	3,510	209	2,123	6,934
Petrochemical Feedstocks	98	1,858	554	22	—	2,532	—	1	3,255
Naphtha for Petro. Feed. Use	24	1,178	423	22	—	1,647	—	1	2,192
Other Oils for Petro. Feed. Use	74	680	131	—	—	885	—	—	1,063
Special Naphthas	39	690	—	135	—	864	—	27	986
Lubricants	50	2,326	2,462	889	—	5,727	—	941	7,434
Waxes	—	69	101	42	—	212	—	—	792
Petroleum Coke	8	3,472	1,030	—	—	4,510	152	1,756	8,769
Marketable	8	3,472	1,030	—	—	4,510	152	1,756	8,769
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	372	206	590	1,219	99	2,486	1,078	916	9,687
Miscellaneous Products	17	186	126	1	28	358	19	103	619
Total Stocks, All Oils	10,592	86,989	66,855	5,602	1,651	171,689	13,907	78,014	355,352

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, March 2018

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	2.0	1.0	1.9	2.9	2.0	2.2	2.6
Finished Motor Gasoline ¹	49.3	32.9	48.4	53.2	51.0	52.1	52.7
Finished Aviation Gasoline ²	—	—	—	—	0.4	—	0.1
Kerosene-Type Jet Fuel	8.2	—	7.7	8.0	6.3	2.8	6.6
Kerosene	0.2	—	0.1	0.0	—	—	0.0
Distillate Fuel Oil ³	30.3	28.9	30.3	25.7	28.6	38.4	29.0
Residual Fuel Oil	3.5	0.1	3.3	1.3	1.4	0.5	1.1
Naphtha for Petro. Feed. Use	0.4	—	0.4	0.7	—	—	0.4
Other Oils for Petro. Feed. Use	—	—	—	0.4	—	0.2	0.3
Special Naphthas	—	1.3	0.1	0.1	—	0.1	0.1
Lubricants	0.9	12.2	1.5	—	—	0.0	0.0
Waxes	—	1.0	0.1	—	—	0.0	0.0
Petroleum Coke	3.3	0.3	3.1	4.9	5.8	3.6	4.7
Asphalt and Road Oil	1.1	15.3	1.9	4.4	7.6	1.1	4.1
Still Gas	4.6	2.5	4.5	3.6	4.0	4.2	3.8
Miscellaneous Products	0.2	0.6	0.2	0.4	0.8	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-4.1	3.9	-3.6	-5.6	-7.8	-5.4	-5.9

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	2.1	5.1	5.3	1.2	1.3	4.8	1.8	2.7	3.8
Finished Motor Gasoline ¹	57.3	43.2	41.2	27.9	53.3	43.0	47.2	48.2	46.4
Finished Aviation Gasoline ²	0.3	0.1	0.2	—	—	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	7.4	10.7	11.1	2.7	—	10.3	5.7	19.6	10.6
Kerosene	0.2	0.0	0.1	0.1	—	0.0	—	0.0	0.0
Distillate Fuel Oil ³	27.5	29.3	30.9	35.2	40.4	30.2	32.9	19.3	28.3
Residual Fuel Oil	1.8	1.8	3.4	-0.7	1.1	2.4	1.9	4.2	2.4
Naphtha for Petro. Feed. Use	0.6	3.0	1.0	0.2	—	1.9	—	0.0	1.2
Other Oils for Petro. Feed. Use	0.0	1.0	1.4	—	—	1.0	—	—	0.6
Special Naphthas	0.1	0.6	—	3.1	—	0.4	—	0.0	0.2
Lubricants	0.2	1.4	1.7	12.6	—	1.7	—	0.9	1.1
Waxes	—	0.0	0.0	0.3	—	0.0	—	—	0.0
Petroleum Coke	1.2	6.3	5.7	2.1	0.9	5.5	4.3	6.4	5.3
Asphalt and Road Oil	1.4	0.3	0.7	12.5	2.2	0.9	6.4	0.9	1.9
Still Gas	3.5	4.2	3.8	2.7	1.9	3.9	3.5	4.8	4.1
Miscellaneous Products	0.5	0.7	0.6	0.0	1.0	0.6	0.5	0.6	0.6
Processing Gain(-) or Loss(+) ⁴	-3.9	-7.6	-7.1	-0.1	-2.5	-6.9	-4.3	-7.7	-6.5

— = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, March 2018
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	—	125	3,833	3,958
Connecticut	—	—	—	—
Delaware	—	—	—	—
Florida	—	125	702	827
Georgia	—	—	388	388
Maine	—	—	—	—
Maryland	—	—	—	—
Massachusetts	—	—	—	—
New Hampshire	—	—	—	—
New Jersey	—	—	2,140	2,140
New York	—	—	204	204
North Carolina	—	—	—	—
Pennsylvania	—	—	183	183
Rhode Island	—	—	—	—
South Carolina	—	—	215	215
Vermont	—	—	1	1
Virginia	—	—	—	—
West Virginia	—	—	—	—
PAD District 2	1	97	129	227
Illinois	—	—	—	—
Indiana	—	—	—	—
Michigan	—	—	129	129
Minnesota	1	97	—	98
North Dakota	—	—	—	—
Ohio	—	—	—	—
Wisconsin	—	—	—	—
PAD District 3	207	290	1,026	1,523
Alabama	—	—	—	—
Louisiana	—	—	—	—
Mississippi	—	—	—	—
New Mexico	—	—	—	—
Texas	207	290	1,026	1,523
PAD District 4	—	—	—	—
Idaho	—	—	—	—
Montana	—	—	—	—
PAD District 5	—	81	1,467	1,548
Alaska	—	—	—	—
California	—	—	1,417	1,417
Hawaii	—	—	—	—
Oregon	—	—	—	—
Washington	—	81	50	131
U.S. Total	208	593	6,455	7,256

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, March 2018
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	22,532	74,065	90,080	9,353	40,056	236,086	7,616
Hydrocarbon Gas Liquids	1,439	3,057	237	579	1,419	6,731	217
Natural Gas Liquids	1,156	2,583	—	579	1,418	5,736	185
Ethane	—	—	—	—	—	—	—
Propane	1,064	2,095	—	527	954	4,640	150
Normal Butane	22	206	—	11	442	681	22
Isobutane	70	276	—	41	22	409	13
Natural Gasoline	—	6	—	—	—	6	0
Refinery Olefins	283	474	237	—	1	995	32
Ethylene	—	—	—	—	—	—	—
Propylene	283	431	—	—	1	715	23
Butylene	—	43	237	—	—	280	9
Isobutylene	—	—	—	—	—	—	—
Other Liquids	16,997	605	19,584	16	3,463	40,665	1,312
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	247	70	524	—	415	1,256	41
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	517	—	—	517	17
Methyl Tertiary Butyl Ether (MTBE)	—	—	376	—	—	376	12
Other Oxygenates ³	—	—	141	—	—	141	5
Renewable Fuels (including Fuel Ethanol)	247	70	—	—	415	732	24
Fuel Ethanol	—	—	—	—	—	—	—
Biomass-Based Diesel Fuel	247	70	—	—	140	457	15
Other Renewable Diesel Fuel	—	—	—	—	275	275	9
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	7	—	—	7	0
Unfinished Oils ¹	398	24	15,747	—	2,994	19,163	618
Naphthas and Lighter	—	—	488	—	—	488	16
Kerosene and Lighter Gas Oils	—	—	1	—	—	1	0
Heavy Gas Oils	398	24	11,029	—	1,131	12,582	406
Residuum	—	—	4,229	—	1,863	6,092	197
Motor Gasoline Blend Comp. (MGBC)	16,352	511	3,313	16	54	20,246	653
Reformulated - RBOB	5,995	—	—	—	—	5,995	193
Conventional	10,357	511	3,313	16	54	14,251	460
CBOB	465	70	—	—	—	535	17
GTAB	1,672	—	328	—	—	2,000	65
Other	8,220	441	2,985	16	54	11,716	378
Aviation Gasoline Blend Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	11,626	1,085	4,488	60	3,710	20,969	676
Finished Motor Gasoline	1,184	—	—	—	—	1,184	38
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	1,184	—	—	—	—	1,184	38
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	1,184	—	—	—	—	1,184	38
Finished Aviation Gasoline	20	—	—	—	—	20	1
Kerosene-Type Jet Fuel	1,140	—	—	—	1,819	2,959	95
Bonded Aircraft Fuel	173	—	—	—	1,128	1,301	42
Other	967	—	—	—	691	1,658	53
Kerosene	153	—	—	—	—	153	5
Distillate Fuel Oil	4,353	207	151	24	132	4,867	157
15 ppm sulfur and under	3,255	134	—	24	132	3,545	114
Bonded	—	—	—	—	—	—	—
Other	3,255	134	—	24	132	3,545	114
Greater than 15 ppm to 500 ppm sulfur	48	—	—	—	—	48	2
Bonded	—	—	—	—	—	—	—
Other	48	—	—	—	—	48	2
Greater than 500 ppm to 2000 ppm sulfur	750	60	—	—	—	810	26
Bonded	—	—	—	—	—	—	—
Other	750	60	—	—	—	810	26
Greater than 2000 ppm	300	13	151	—	—	464	15
Bonded	—	—	—	—	—	—	—
Other	300	13	151	—	—	464	15
Residual Fuel Oil	3,958	227	1,523	—	1,548	7,256	234
Less than 0.31 percent sulfur	—	1	207	—	—	208	7
0.31 to 1.00 percent sulfur	125	97	290	—	81	593	19
Greater than 1.00 percent sulfur	3,833	129	1,026	—	1,467	6,455	208
Petrochemical Feedstocks	4	183	483	—	58	728	23
Naphtha for Petro. Feed. Use	4	89	432	—	58	583	19
Other Oils for Petro. Feed. Use	—	94	51	—	—	145	5
Special Naphthas	—	52	295	—	—	347	11
Lubricants	157	139	1,538	—	4	1,838	59
Waxes	85	4	10	—	42	141	5
Petroleum Coke (Marketable)	—	37	472	—	20	529	17
Asphalt and Road Oil	572	235	—	35	87	929	30
Miscellaneous Products	—	1	16	1	—	18	1
Total	52,594	78,812	114,389	10,008	48,648	304,451	9,821

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-March 2018
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	74,725	221,457	255,812	27,195	115,080	694,269	7,714
Hydrocarbon Gas Liquids	6,716	9,386	495	1,364	3,298	21,259	236
Natural Gas Liquids	6,108	8,024	—	1,364	3,296	18,792	209
Ethane	—	—	—	—	—	—	—
Propane	5,811	6,895	—	1,240	2,152	16,098	179
Normal Butane	110	423	—	52	1,056	1,641	18
Isobutane	187	692	—	72	88	1,039	12
Natural Gasoline	—	14	—	—	—	14	0
Refinery Olefins	608	1,362	495	—	2	2,467	27
Ethylene	—	—	—	—	—	—	—
Propylene	608	1,209	—	—	2	1,819	20
Butylene	—	153	495	—	—	648	7
Isobutylene	—	—	—	—	—	—	—
Other Liquids	44,925	1,972	52,081	62	10,248	109,288	1,214
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	517	108	1,159	12	1,259	3,055	34
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	1,073	—	—	1,073	12
Methyl Tertiary Butyl Ether (MTBE)	—	—	728	—	—	728	8
Other Oxygenates ³	—	—	345	—	—	345	4
Renewable Fuels (including Fuel Ethanol)	517	108	71	12	1,259	1,967	22
Fuel Ethanol	—	—	—	—	—	—	—
Biomass-Based Diesel Fuel	517	108	71	12	141	849	9
Other Renewable Diesel Fuel	—	—	—	—	1,118	1,118	12
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	15	—	—	15	0
Unfinished Oils ¹	2,202	491	46,063	—	8,099	56,855	632
Naphthas and Lighter	357	321	816	—	—	1,494	17
Kerosene and Lighter Gas Oils	—	—	1	—	—	1	0
Heavy Gas Oils	1,378	170	33,143	—	6,121	40,812	453
Residuum	467	—	12,103	—	1,978	14,548	162
Motor Gasoline Blend Comp. (MGBC)	42,206	1,373	4,859	50	890	49,378	549
Reformulated - RBOB	17,641	64	—	—	311	18,016	200
Conventional	24,565	1,309	4,859	50	579	31,362	348
CBOB	1,393	199	—	—	189	1,781	20
GTAB	3,383	—	570	—	—	3,953	44
Other	19,789	1,110	4,289	50	390	25,628	285
Aviation Gasoline Blend Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	40,536	2,790	13,027	317	9,706	66,376	738
Finished Motor Gasoline	2,598	—	—	—	80	2,678	30
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	2,598	—	—	—	80	2,678	30
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	2,598	—	—	—	80	2,678	30
Finished Aviation Gasoline	22	3	—	—	3	28	0
Kerosene-Type Jet Fuel	4,550	—	—	5	5,069	9,624	107
Bonded Aircraft Fuel	491	—	—	—	2,867	3,358	37
Other	4,059	—	—	5	2,202	6,266	70
Kerosene	506	2	—	—	—	508	6
Distillate Fuel Oil	19,783	561	751	108	620	21,823	242
15 ppm sulfur and under	16,249	456	16	108	620	17,449	194
Bonded	—	—	—	—	—	—	—
Other	16,249	456	16	108	620	17,449	194
Greater than 15 ppm to 500 ppm sulfur	718	—	—	—	—	718	8
Bonded	—	—	—	—	—	—	—
Other	718	—	—	—	—	718	8
Greater than 500 ppm to 2000 ppm sulfur	2,366	82	494	—	—	2,942	33
Bonded	—	—	—	—	—	—	—
Other	2,366	82	494	—	—	2,942	33
Greater than 2000 ppm	450	23	241	—	—	714	8
Bonded	—	—	—	—	—	—	—
Other	450	23	241	—	—	714	8
Residual Fuel Oil	10,401	460	4,999	—	3,324	19,184	213
Less than 0.31 percent sulfur	692	1	1,042	—	—	1,735	19
0.31 to 1.00 percent sulfur	884	227	340	—	313	1,764	20
Greater than 1.00 percent sulfur	8,825	232	3,617	—	3,011	15,685	174
Petrochemical Feedstocks	4	483	1,644	—	96	2,227	25
Naphtha for Petro. Feed. Use	4	251	1,540	—	96	1,891	21
Other Oils for Petro. Feed. Use	—	232	104	—	—	336	4
Special Naphthas	—	148	1,219	—	—	1,367	15
Lubricants	493	479	3,082	—	36	4,090	45
Waxes	194	16	99	—	123	432	5
Petroleum Coke (Marketable)	170	76	1,193	—	63	1,502	17
Asphalt and Road Oil	1,815	558	—	201	292	2,866	32
Miscellaneous Products	—	4	40	3	—	47	1
Total	166,902	235,605	321,415	28,938	138,332	891,192	9,902

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	78,215	—	—	5,999	—	—	—	—	1,579	1,579
Algeria	1,591	—	—	1,728	—	—	—	—	—	—
Angola	173	—	—	—	—	—	—	—	150	150
Ecuador	4,022	—	—	—	—	—	—	—	—	—
Equatorial Guinea	2,004	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	21,961	—	—	398	—	—	—	—	—	—
Kuwait	4,051	—	—	—	—	—	—	—	—	—
Libya	2,406	—	—	38	—	—	—	—	—	—
Nigeria	3,920	—	—	—	—	—	—	—	818	818
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	23,203	—	—	362	—	—	—	—	—	—
United Arab Emirates	—	—	—	3,233	—	—	—	—	—	—
Venezuela	14,884	—	—	240	—	—	—	—	611	611
Non-OPEC	157,871	5,736	995	13,164	—	1,184	1,184	5,995	12,672	18,667
Argentina	2,077	—	—	—	—	—	—	—	48	48
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1,287	—	—	—	147	873	1,020
Brazil	1,563	—	—	333	—	—	—	—	585	585
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	109,489	5,624	758	24	—	265	265	3,917	1,776	5,693
Chad	1,386	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	10,268	—	—	1	—	—	—	—	415	415
Congo (Brazzaville)	—	—	—	95	—	—	—	—	—	—
Denmark	—	—	—	122	—	—	—	—	—	—
Egypt	1,749	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	513	513
France	—	—	—	—	—	—	—	596	247	843
Germany	—	—	—	246	—	18	18	—	—	—
Guatemala	285	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	1,047	1,047
Indonesia	1,205	—	—	—	—	—	—	—	—	—
Italy	—	—	—	32	—	—	—	—	—	—
Korea, South	—	—	—	62	—	—	—	—	150	150
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	288	—	—	—	—	—	—	—	—	—
Mexico	21,676	—	35	—	—	—	—	—	924	924
Netherlands	—	—	—	860	—	463	463	334	774	1,108
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	1,771	55	—	961	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	686	686
Russia	1,755	—	—	7,756	—	96	96	45	1,223	1,268
Spain	—	—	—	96	—	—	—	—	1,431	1,431
Sweden	—	—	—	16	—	326	326	—	395	395
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	499	57	—	—	—	—	—	—	—	—
United Kingdom	1,319	—	—	—	—	16	16	956	607	1,563
Vietnam	498	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	2,043	0	202	1,273	—	0	0	0	978	978
Total	236,086	5,736	995	19,163	—	1,184	1,184	5,995	14,251	20,246
Persian Gulf³	49,215	—	—	3,993	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	376	141	—	457	275	—	3,545	48	810	464	4,867
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	35	—	—	—	—	—	—	—	—	—	—
Brazil	44	44	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	274	—	—	2,922	48	810	13	3,793
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	300	300
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	36	—	—	155	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	623	—	—	—	623
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	28	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	243	97	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	18	—	—	—	—	—	—	—	—	151	151
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	275	—	0	0	0	0	0
Total	376	141	—	457	275	—	3,545	48	810	464	4,867
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	369	—	207	—	1,135	1,342
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	187	187
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	369	—	207	—	948	1,155
Non-OPEC	153	20	—	2,590	347	1	593	5,320	5,914
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	22	22
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	551	52	1	303	1,737	2,041
Chad	—	—	—	—	—	—	—	—	—
China	153	—	—	850	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	300	300
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	31	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	70	—	—	—	—	—
Korea, South	—	—	—	684	233	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	1,376	1,376
Netherlands	—	19	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	958	958
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	404	62	0	290	927	1,217
Total	153	20	—	2,959	347	208	593	6,455	7,256
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	73	567	—	9,929	88,144	2,523	320	2,843
Algeria	—	—	—	—	—	—	—	1,728	3,319	51	56	107
Angola	—	—	—	—	—	—	—	150	323	6	5	10
Ecuador	—	—	—	—	—	—	—	187	4,209	130	6	136
Equatorial Guinea	—	—	—	—	—	—	—	—	2,004	65	—	65
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	398	22,359	708	13	721
Kuwait	—	—	—	—	—	—	—	—	4,051	131	—	131
Libya	—	—	—	—	—	—	—	38	2,444	78	1	79
Nigeria	—	—	—	—	—	—	—	818	4,738	126	26	153
Qatar	—	—	—	—	—	497	—	497	497	—	16	16
Saudi Arabia	—	—	—	—	—	—	—	362	23,565	748	12	760
United Arab Emirates	—	—	—	—	—	70	—	3,303	3,303	—	107	107
Venezuela	—	—	—	—	73	—	—	2,448	17,332	480	79	559
Non-OPEC	583	145	141	529	856	1,271	18	58,436	216,307	5,093	1,885	6,978
Argentina	—	36	—	358	—	5	—	447	2,524	67	14	81
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	102	—	102	102	—	3	3
Belgium	—	—	—	—	—	13	—	2,356	2,356	—	76	76
Brazil	—	—	—	—	—	—	—	1,028	2,591	50	33	84
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	89	94	54	56	805	246	2	20,422	129,911	3,532	659	4,191
Chad	—	—	—	—	—	—	—	—	1,386	45	—	45
China	—	—	57	114	—	—	—	1,174	1,174	—	38	38
Colombia	—	—	—	—	—	—	—	1,016	11,284	331	33	364
Congo (Brazzaville)	—	—	—	—	—	—	—	95	95	—	3	3
Denmark	—	—	—	—	—	—	—	122	122	—	4	4
Egypt	—	—	—	—	—	—	—	—	1,749	56	—	56
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	513	513	—	17	17
France	—	15	—	—	—	13	—	871	871	—	28	28
Germany	—	—	17	—	—	13	—	485	485	—	16	16
Guatemala	—	—	—	—	—	—	—	—	285	9	—	9
India	—	—	—	—	—	—	—	1,701	1,701	—	55	55
Indonesia	—	—	—	—	—	100	—	100	1,305	39	3	42
Italy	—	—	—	—	—	7	—	111	111	—	4	4
Korea, South	—	—	1	—	—	745	—	1,903	1,903	—	61	61
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	11	—	—	—	—	11	299	9	0	10
Mexico	280	—	—	—	—	—	—	2,615	24,291	699	84	784
Netherlands	—	—	—	—	—	—	16	2,806	2,806	—	91	91
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	1,016	2,787	57	33	90
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	686	686	—	22	22
Russia	—	—	—	—	—	—	—	9,289	11,044	57	300	356
Spain	—	—	1	—	51	—	—	1,579	1,579	—	51	51
Sweden	—	—	—	1	—	—	—	738	738	—	24	24
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,015	1,514	16	33	49
United Kingdom	31	—	—	—	—	—	—	1,610	2,929	43	52	94
Vietnam	—	—	—	—	—	—	—	—	498	16	—	16
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	183	0	0	0	0	27	0	4,625	6,668	67	148	214
Total	583	145	141	529	929	1,838	18	68,365	304,451	7,616	2,205	9,821
Persian Gulf³	—	—	—	—	—	669	—	4,662	53,877	1,588	150	1,738

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	229,862	140	-	14,289	-	-	-	-	3,689	3,689
Algeria	6,506	140	-	6,937	-	-	-	-	-	-
Angola	3,330	-	-	-	-	-	-	-	150	150
Ecuador	12,227	-	-	-	-	-	-	-	-	-
Equatorial Guinea	2,004	-	-	-	-	-	-	-	-	-
Gabon	398	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	60,908	-	-	398	-	-	-	-	-	-
Kuwait	12,001	-	-	-	-	-	-	-	-	-
Libya	5,555	-	-	149	-	-	-	-	-	-
Nigeria	24,282	-	-	422	-	-	-	-	1,288	1,288
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	62,718	-	-	362	-	-	-	-	-	-
United Arab Emirates	-	-	-	5,482	-	-	-	-	-	-
Venezuela	39,933	-	-	539	-	-	-	-	2,251	2,251
Non-OPEC	464,407	18,652	2,467	42,566	-	2,678	2,678	18,016	27,673	45,689
Argentina	3,111	-	-	-	-	-	-	-	491	491
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	4,413	-	-	-	147	1,003	1,150
Brazil	12,114	-	-	897	-	-	-	-	1,549	1,549
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	329	-	-	304	-	-	-	-	-	-
Canada	327,048	17,626	1,972	983	-	847	847	11,721	5,378	17,099
Chad	4,453	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	36,717	-	-	1	-	-	-	-	1,378	1,378
Congo (Brazzaville)	952	-	-	95	-	-	-	-	-	-
Denmark	-	-	-	122	-	-	-	-	-	-
Egypt	1,749	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	379	-	-	-	-	828	828
France	-	-	-	191	-	-	-	2,038	496	2,534
Germany	-	-	-	357	-	18	18	-	-	-
Guatemala	810	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	1,574	1,574
Indonesia	3,978	-	-	-	-	-	-	-	-	-
Italy	220	-	-	114	-	-	-	-	325	325
Korea, South	-	-	-	62	-	-	-	-	150	150
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	288	-	-	150	-	-	-	-	-	-
Mexico	58,738	-	69	-	-	-	-	-	1,288	1,288
Netherlands	-	-	-	2,501	-	463	463	645	1,335	1,980
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	3,517	595	-	2,016	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	284	1,285	1,569
Russia	1,755	-	-	23,664	-	96	96	45	3,334	3,379
Spain	-	-	-	683	-	-	-	-	3,780	3,780
Sweden	-	263	-	16	-	968	968	-	395	395
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	499	112	-	-	-	-	-	-	-	-
United Kingdom	4,164	-	-	-	-	286	286	3,136	607	3,743
Vietnam	498	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	3,467	56	426	5,618	-	0	0	0	2,477	2,477
Total	694,269	18,792	2,467	56,855	-	2,678	2,678	18,016	31,362	49,378
Persian Gulf³	135,627	-	-	6,242	-	-	-	-	-	-

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	3,545	—	140	100	3,785
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	140	—	140
Qatar	—	—	—	—	—	—	1,408	—	—	—	1,408
Saudi Arabia	—	—	—	—	—	—	2,137	—	—	—	2,137
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	100	100
Non-OPEC	728	345	—	849	1,118	—	13,904	718	2,802	614	18,038
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	52	—	—	—	—	—	605	—	—	—	605
Brazil	234	248	—	—	—	—	717	—	—	—	717
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	488	—	—	8,553	145	2,275	23	10,996
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	730	—	—	300	1,030
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	87	—	—	333	—	—	—	—	—	—	5
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	2,279	—	—	—	2,279
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	28	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	277	—	277
Netherlands	337	97	—	—	—	—	524	—	—	69	593
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	161	—	—	—	161
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	18	—	—	—	—	—	335	573	250	167	1,325
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	1,118	—	0	0	0	55	50
Total	728	345	—	849	1,118	—	17,449	718	2,942	714	21,823
Persian Gulf³	—	—	—	—	—	—	3,545	—	—	—	3,545

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	1,052	36	502	—	2,874	3,376
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	438	438
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	5	—	—	—	—	—
Kuwait	—	—	—	118	—	—	—	—	—
Libya	—	—	—	—	—	147	—	—	147
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	58	36	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	871	—	355	—	2,436	2,791
Non-OPEC	508	28	—	8,572	1,331	1,233	1,764	12,811	15,808
Argentina	—	—	—	—	—	204	317	—	521
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	22	—	50	—	50
Brazil	—	—	—	—	84	80	315	22	417
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	2	9	—	1,473	225	1	667	2,851	3,519
Chad	—	—	—	—	—	—	—	—	—
China	153	—	—	2,049	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	1,197	1,197
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	43	—	—	—	—
Germany	—	—	—	—	14	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	1,131	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	74	—	—	—	—	—
Korea, South	353	—	—	3,300	722	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	283	—	3,635	3,918
Netherlands	—	19	—	—	3	57	—	260	317
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	23	—	—	—	—
Russia	—	—	—	—	—	347	—	620	967
Spain	—	—	—	—	—	—	—	80	80
Sweden	—	—	—	—	—	—	—	286	286
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,782	1,782
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	545	195	261	415	2,078	2,754
Total	508	28	—	9,624	1,367	1,735	1,764	15,685	19,184
Persian Gulf³	—	—	—	181	36	—	—	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	558	—	—	—	436	921	—	28,282	258,144	2,554	314	2,868
Algeria	327	—	—	—	—	—	—	7,404	13,910	72	82	155
Angola	—	—	—	—	—	—	—	150	3,480	37	2	39
Ecuador	—	—	—	—	—	—	—	438	12,665	136	5	141
Equatorial Guinea	—	—	—	—	—	—	—	—	2,004	22	—	22
Gabon	—	—	—	—	—	—	—	—	398	4	—	4
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	403	61,311	677	4	681
Kuwait	—	—	—	—	—	—	—	118	12,119	133	1	135
Libya	—	—	—	—	—	—	—	296	5,851	62	3	65
Nigeria	231	—	—	—	—	—	—	2,081	26,363	270	23	293
Qatar	—	—	—	—	—	709	—	2,117	2,117	—	24	24
Saudi Arabia	—	—	—	—	—	—	—	2,593	65,311	697	29	726
United Arab Emirates	—	—	—	—	—	212	—	5,694	5,694	—	63	63
Venezuela	—	—	—	—	436	—	—	6,988	46,921	444	78	521
Non-OPEC	1,333	336	432	1,502	2,430	3,169	47	168,641	633,048	5,160	1,874	7,034
Argentina	—	36	—	484	—	19	—	1,551	4,662	35	17	52
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	164	—	164	164	—	2	2
Belgium	—	—	—	—	78	45	—	6,416	6,416	—	71	71
Brazil	—	—	—	—	—	—	—	4,146	16,260	135	46	181
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	304	633	4	3	7
Canada	251	232	125	380	2,222	810	7	59,266	386,314	3,634	659	4,292
Chad	—	—	—	—	—	—	—	—	4,453	49	—	49
China	—	—	235	202	—	—	—	2,639	2,639	—	29	29
Colombia	—	—	—	167	—	—	—	3,773	40,490	408	42	450
Congo (Brazzaville)	—	—	—	—	—	—	—	95	1,047	11	1	12
Denmark	—	—	—	—	—	—	—	122	122	—	1	1
Egypt	—	—	—	—	—	—	—	—	1,749	19	—	19
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	1	—	1,208	1,208	—	13	13
France	—	68	—	—	—	28	—	2,864	2,864	—	32	32
Germany	—	—	17	—	—	43	—	875	875	—	10	10
Guatemala	—	—	—	—	—	—	—	—	810	9	—	9
India	—	—	—	—	—	—	—	4,984	4,984	—	55	55
Indonesia	—	—	—	—	—	273	—	273	4,251	44	3	47
Italy	—	—	—	—	—	78	—	595	815	2	7	9
Korea, South	—	—	2	—	—	1,567	—	6,184	6,184	—	69	69
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	23	—	—	—	—	173	461	3	2	5
Mexico	708	—	—	—	—	—	—	6,260	64,998	653	70	722
Netherlands	—	—	—	—	—	—	40	6,350	6,350	—	71	71
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	2,611	6,128	39	29	68
Oman	—	—	—	—	—	—	—	161	161	—	2	2
Portugal	—	—	—	—	—	—	—	1,592	1,592	—	18	18
Russia	—	—	—	95	—	—	—	29,544	31,299	20	328	348
Spain	—	—	4	—	51	—	—	4,598	4,598	—	51	51
Sweden	—	—	—	2	—	—	—	1,930	1,930	—	21	21
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,894	2,393	6	21	27
United Kingdom	89	—	—	169	—	15	—	4,302	8,466	46	48	94
Vietnam	—	—	—	—	—	—	—	—	498	6	—	6
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	285	0	26	3	79	126	0	13,767	17,234	37	153	192
Total	1,891	336	432	1,502	2,866	4,090	47	196,923	891,192	7,714	2,188	9,902
Persian Gulf³	—	—	—	—	—	1,085	—	11,089	146,716	1,507	123	1,630

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	11,593	—	—	398	—	—	—	—	1,433	1,433
Algeria	1,591	—	—	—	—	—	—	—	—	—
Angola	173	—	—	—	—	—	—	—	150	150
Ecuador	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	1,001	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	1,013	—	—	398	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	1,358	—	—	—	—	—	—	—	—	—
Nigeria	3,446	—	—	—	—	—	—	—	818	818
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	3,011	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	465	465
Non-OPEC	10,939	1,156	283	—	—	1,184	1,184	5,995	8,924	14,919
Argentina	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	147	844	991
Brazil	—	—	—	—	—	—	—	—	585	585
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	3,893	1,156	283	—	—	265	265	3,917	1,195	5,112
Chad	903	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	971	—	—	—	—	—	—	—	415	415
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Egypt	1,749	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	513	513
France	—	—	—	—	—	—	—	596	—	596
Germany	—	—	—	—	—	18	18	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	1,047	1,047
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	150	150
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	463	463	334	467	801
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	1,771	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	571	571
Russia	1,053	—	—	—	—	96	96	45	1,223	1,268
Spain	—	—	—	—	—	—	—	—	1,375	1,375
Sweden	—	—	—	—	—	326	326	—	314	314
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	599	—	—	—	—	16	16	956	—	956
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	—	0	0	0	225	225
Total	22,532	1,156	283	398	—	1,184	1,184	5,995	10,357	16,352
Persian Gulf³	4,024	—	—	398	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	247	-	-	3,255	48	750	300	4,353
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	92	-	-	2,632	48	750	-	3,430
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	300	300
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	155	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	623	-	-	-	623
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0	0	0
Total	-	-	-	247	-	-	3,255	48	750	300	4,353
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	369	—	—	—	659	659
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	369	—	—	—	659	659
Non-OPEC	153	20	—	771	—	—	125	3,174	3,299
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	22	22
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	551	—	—	125	1,558	1,683
Chad	—	—	—	—	—	—	—	—	—
China	153	—	—	116	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	300	300
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	31	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	70	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	284	284
Netherlands	—	19	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	958	958
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	3	—	—	0	52	52
Total	153	20	—	1,140	—	—	125	3,833	3,958
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	73	—	—	2,932	14,525	374	95	469
Algeria	—	—	—	—	—	—	—	—	1,591	51	—	51
Angola	—	—	—	—	—	—	—	150	323	6	5	10
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	1,001	32	—	32
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	398	1,411	33	13	46
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	1,358	44	—	44
Nigeria	—	—	—	—	—	—	—	818	4,264	111	26	138
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	3,011	97	—	97
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	73	—	—	1,566	1,566	—	51	51
Non-OPEC	4	—	85	—	499	157	—	27,130	38,069	353	875	1,228
Argentina	—	—	—	—	—	2	—	2	2	—	0	0
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	2	—	993	993	—	32	32
Brazil	—	—	—	—	—	—	—	607	607	—	20	20
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	50	—	448	104	—	13,175	17,068	126	425	551
Chad	—	—	—	—	—	—	—	—	903	29	—	29
China	—	—	15	—	—	—	—	284	284	—	9	9
Colombia	—	—	—	—	—	—	—	1,015	1,986	31	33	64
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	1,749	56	—	56
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	513	513	—	17	17
France	—	—	—	—	—	12	—	608	608	—	20	20
Germany	—	—	17	—	—	10	—	200	200	—	6	6
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	1,701	1,701	—	55	55
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	1	—	71	71	—	2	2
Korea, South	—	—	1	—	—	23	—	174	174	—	6	6
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	1	—	—	—	—	1	1	—	0	0
Mexico	—	—	—	—	—	—	—	284	284	—	9	9
Netherlands	—	—	—	—	—	—	—	1,283	1,283	—	41	41
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	1,771	57	—	57
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	571	571	—	18	18
Russia	—	—	—	—	—	—	—	1,364	2,417	34	44	78
Spain	—	—	1	—	51	—	—	1,427	1,427	—	46	46
Sweden	—	—	—	—	—	—	—	640	640	—	21	21
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	958	958	—	31	31
United Kingdom	4	—	—	—	—	—	—	976	1,575	19	31	51
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	—	0	3	—	283	283	1	9	9
Total	4	—	85	—	572	157	—	30,062	52,594	727	970	1,697
Persian Gulf³	—	—	—	—	—	—	—	398	4,422	130	13	143

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	74,065	2,583	474	24	-	-	-	-	511	511
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	74,065	2,583	474	24	-	-	-	-	511	511
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	-	-	-	0	0
Total	74,065	2,583	474	24	-	-	-	-	511	511
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	70	-	-	134	-	60	13	207
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	70	-	-	134	-	60	13	207
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	-	0	0	0
Total	-	-	-	70	-	-	134	-	60	13	207
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	52	1	97	129	227
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	52	1	97	129	227
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	0	0	0	0
Total	-	-	-	-	52	1	97	129	227
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	89	94	4	37	235	139	1	4,747	78,812	2,389	153	2,542
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	89	94	4	36	235	138	1	4,745	78,810	2,389	153	2,542
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	1	-	-	-	1	1	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	1	0	1	1	0	0	0
Total	89	94	4	37	235	139	1	4,747	78,812	2,389	153	2,542
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-	-

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	46,742	—	—	4,570	—	—	—	—	146	146
Algeria	—	—	—	1,344	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Ecuador	345	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	18,938	—	—	—	—	—	—	—	—	—
Kuwait	1,629	—	—	—	—	—	—	—	—	—
Libya	—	—	—	38	—	—	—	—	—	—
Nigeria	474	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	10,472	—	—	362	—	—	—	—	—	—
United Arab Emirates	—	—	—	2,586	—	—	—	—	—	—
Venezuela	14,884	—	—	240	—	—	—	—	146	146
Non-OPEC	43,338	—	237	11,177	—	—	—	—	3,167	3,167
Argentina	380	—	—	—	—	—	—	—	48	48
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1,102	—	—	—	—	29	29
Brazil	1,178	—	—	333	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	13,721	—	—	—	—	—	—	—	—	—
Chad	483	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	4,842	—	—	1	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	95	—	—	—	—	—	—
Denmark	—	—	—	122	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	247	247
Germany	—	—	—	150	—	—	—	—	—	—
Guatemala	285	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	32	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	20,180	—	35	—	—	—	—	—	924	924
Netherlands	—	—	—	764	—	—	—	—	307	307
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	961	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	115	115
Russia	—	—	—	6,328	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	56	56
Sweden	—	—	—	16	—	—	—	—	81	81
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	499	—	—	—	—	—	—	—	—	—
United Kingdom	720	—	—	—	—	—	—	—	607	607
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1,050	—	202	1,273	—	—	—	—	753	753
Total	90,080	—	237	15,747	—	—	—	—	3,313	3,313
Persian Gulf³	31,039	—	—	2,948	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	376	141	—	—	—	—	—	—	—	151	151
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	35	—	—	—	—	—	—	—	—	—	—
Brazil	44	44	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	36	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	243	97	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	18	—	—	—	—	—	—	—	—	151	151
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	—	—	—	—	—	—	0	0
Total	376	141	—	—	—	—	—	—	—	151	151
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	—	207	—	289	496
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	207	—	289	496
Non-OPEC	—	—	—	—	295	—	290	737	1,027
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	233	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	737	737
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	62	0	290	0	290
Total	—	—	—	—	295	207	290	1,026	1,523
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	567	—	5,779	52,521	1,508	186	1,694
Algeria	—	—	—	—	—	—	—	1,344	1,344	—	43	43
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	345	11	—	11
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	18,938	611	—	611
Kuwait	—	—	—	—	—	—	—	—	1,629	53	—	53
Libya	—	—	—	—	—	—	—	38	38	—	1	1
Nigeria	—	—	—	—	—	—	—	—	474	15	—	15
Qatar	—	—	—	—	—	497	—	497	497	—	16	16
Saudi Arabia	—	—	—	—	—	—	—	362	10,834	338	12	349
United Arab Emirates	—	—	—	—	—	70	—	2,656	2,656	—	86	86
Venezuela	—	—	—	—	—	—	—	882	15,766	480	28	509
Non-OPEC	432	51	10	472	—	971	16	18,530	61,868	1,398	598	1,996
Argentina	—	36	—	358	—	3	—	445	825	12	14	27
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	102	—	102	102	—	3	3
Belgium	—	—	—	—	—	11	—	1,178	1,178	—	38	38
Brazil	—	—	—	—	—	—	—	421	1,599	38	14	52
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	—	13,721	443	—	443
Chad	—	—	—	—	—	—	—	—	483	16	—	16
China	—	—	1	114	—	—	—	115	115	—	4	4
Colombia	—	—	—	—	—	—	—	1	4,843	156	0	156
Congo (Brazzaville)	—	—	—	—	—	—	—	95	95	—	3	3
Denmark	—	—	—	—	—	—	—	122	122	—	4	4
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	15	—	—	—	1	—	263	263	—	8	8
Germany	—	—	—	—	—	3	—	189	189	—	6	6
Guatemala	—	—	—	—	—	—	—	—	285	9	—	9
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	100	—	100	100	—	3	3
Italy	—	—	—	—	—	6	—	40	40	—	1	1
Korea, South	—	—	—	—	—	722	—	955	955	—	31	31
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	9	—	—	—	—	9	9	—	0	0
Mexico	280	—	—	—	—	—	—	1,976	22,156	651	64	715
Netherlands	—	—	—	—	—	—	16	1,427	1,427	—	46	46
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	961	961	—	31	31
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	115	115	—	4	4
Russia	—	—	—	—	—	—	—	6,497	6,497	—	210	210
Spain	—	—	—	—	—	—	—	56	56	—	2	2
Sweden	—	—	—	—	—	—	—	97	97	—	3	3
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	499	16	—	16
United Kingdom	27	—	—	—	—	—	—	634	1,354	23	20	44
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	125	0	0	0	—	23	0	2,732	3,782	34	89	121
Total	432	51	10	472	—	1,538	16	24,309	114,389	2,906	784	3,690
Persian Gulf³	—	—	—	—	—	669	—	3,617	34,656	1,001	117	1,118

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	9,353	579	-	-	-	-	-	-	16	16
Canada	9,353	579	-	-	-	-	-	-	16	16
Other	0	0	-	-	-	-	-	-	0	0
Total	9,353	579	-	-	-	-	-	-	16	16
	PAD District 5									
OPEC	19,880	-	-	1,031	-	-	-	-	-	-
Algeria	-	-	-	384	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	3,677	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	2,010	-	-	-	-	-	-	-	-	-
Kuwait	2,422	-	-	-	-	-	-	-	-	-
Libya	1,048	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	9,720	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	647	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	20,176	1,418	1	1,963	-	-	-	-	54	54
Argentina	1,697	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	385	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	8,457	1,306	1	-	-	-	-	-	54	54
China	-	-	-	-	-	-	-	-	-	-
Colombia	4,455	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	96	-	-	-	-	-	-
Indonesia	1,205	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	62	-	-	-	-	-	-
Malaysia	288	-	-	-	-	-	-	-	-	-
Mexico	1,496	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	96	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	498	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	1,695	112	0	1,709	-	-	-	-	0	0
Total	40,056	1,418	1	2,994	-	-	-	-	54	54
Persian Gulf ³	14,152	-	-	647	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	-	-	24	-	-	-	24
Canada	-	-	-	-	-	-	24	-	-	-	24
Other	-	-	-	-	-	-	0	-	-	-	0
Total	-	-	-	-	-	-	24	-	-	-	24
	PAD District 5										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	140	275	-	132	-	-	-	132
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	112	-	-	132	-	-	-	132
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	28	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	275	-	0	-	-	-	0
Total	-	-	-	140	275	-	132	-	-	-	132
Persian Gulf ³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	187	187
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	187	187
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	1,819	-	-	81	1,280	1,361
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	81	50	131
China	-	-	-	734	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	401	-	-	-	-	-
Korea, South	-	-	-	684	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	355	355
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	875	875
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0
Total	-	-	-	1,819	-	-	81	1,467	1,548
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks									Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	35	-	1	655	10,008	302	21	323
Canada	-	-	-	-	35	-	1	655	10,008	302	21	323
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	35	-	1	655	10,008	302	21	323
	PAD District 5											
OPEC	-	-	-	-	-	-	-	1,218	21,098	641	39	681
Algeria	-	-	-	-	-	-	-	384	384	-	12	12
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	187	3,864	119	6	125
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	2,010	65	-	65
Kuwait	-	-	-	-	-	-	-	-	2,422	78	-	78
Libya	-	-	-	-	-	-	-	-	1,048	34	-	34
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	9,720	314	-	314
United Arab Emirates	-	-	-	-	-	-	-	647	647	-	21	21
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	58	-	42	20	87	4	-	7,374	27,550	651	238	889
Argentina	-	-	-	-	-	-	-	-	1,697	55	-	55
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	385	12	-	12
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	20	87	4	-	1,847	10,304	273	60	332
China	-	-	41	-	-	-	-	775	775	-	25	25
Colombia	-	-	-	-	-	-	-	-	4,455	144	-	144
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	96	96	-	3	3
Indonesia	-	-	-	-	-	-	-	-	1,205	39	-	39
Japan	-	-	-	-	-	-	-	401	401	-	13	13
Korea, South	-	-	-	-	-	-	-	774	774	-	25	25
Malaysia	-	-	1	-	-	-	-	1	289	9	0	9
Mexico	-	-	-	-	-	-	-	355	1,851	48	11	60
Netherlands	-	-	-	-	-	-	-	96	96	-	3	3
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	875	875	-	28	28
Singapore	-	-	-	-	-	-	-	275	275	-	9	9
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	58	-	-	-	-	-	-	58	58	-	2	2
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	498	16	-	16
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	0	0	0	-	1,821	3,516	55	59	114
Total	58	-	42	20	87	4	-	8,592	48,648	1,292	277	1,569
Persian Gulf ³	-	-	-	-	-	-	-	647	14,799	457	21	477

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	42,035	140	-	928	-	-	-	-	3,543	3,543
Algeria	6,506	140	-	500	-	-	-	-	-	-
Angola	1,061	-	-	-	-	-	-	-	150	150
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	1,001	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	3,260	-	-	398	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	2,947	-	-	-	-	-	-	-	-	-
Nigeria	18,662	-	-	30	-	-	-	-	1,288	1,288
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	8,598	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	2,105	2,105
Non-OPEC	32,690	5,968	608	1,274	-	2,598	2,598	17,641	21,022	38,663
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	147	974	1,121
Brazil	-	-	-	-	-	-	-	-	1,497	1,497
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	329	-	-	-	-	-	-	-	-	-
Canada	16,142	5,165	608	-	-	767	767	11,657	3,745	15,402
Chad	1,854	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	5,445	-	-	-	-	-	-	-	1,378	1,378
Congo (Brazzaville)	952	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	1,749	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	828	828
France	-	-	-	-	-	-	-	2,038	249	2,287
Germany	-	-	-	26	-	18	18	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	1,574	1,574
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	325	325
Korea, South	-	-	-	-	-	-	-	-	150	150
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	57	-	463	463	334	1,028	1,362
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	3,517	540	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	284	1,170	1,454
Russia	1,053	-	-	656	-	96	96	45	3,334	3,379
Spain	-	-	-	353	-	-	-	-	3,483	3,483
Sweden	-	263	-	-	-	968	968	-	314	314
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	599	-	-	-	-	286	286	3,136	-	3,136
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,050	0	0	182	-	0	0	0	973	973
Total	74,725	6,108	608	2,202	-	2,598	2,598	17,641	24,565	42,206
Persian Gulf³	11,858	-	-	398	-	-	-	-	-	-

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	3,545	—	—	100	3,645
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	1,408	—	—	—	1,408
Saudi Arabia	—	—	—	—	—	—	2,137	—	—	—	2,137
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	100	100
Non-OPEC	—	—	—	517	—	—	12,704	718	2,366	350	16,138
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	605	—	—	—	605
Brazil	—	—	—	—	—	—	717	—	—	—	717
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	184	—	—	7,369	145	2,116	—	9,630
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	730	—	—	300	1,030
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	333	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	2,279	—	—	—	2,279
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	508	—	—	—	508
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	161	—	—	—	161
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	335	573	250	—	1,158
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	—	0	0	0	50	50
Total	—	—	—	517	—	—	16,249	718	2,366	450	19,783
Persian Gulf³	—	—	—	—	—	—	3,545	—	—	—	3,545

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	1,047	—	147	—	1,889	2,036
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	118	—	—	—	—	—
Libya	—	—	—	—	—	147	—	—	147
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	58	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	871	—	—	—	1,889	1,889
Non-OPEC	506	22	—	3,503	—	545	884	6,936	8,365
Argentina	—	—	—	—	—	204	317	—	521
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	80	315	22	417
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3	—	1,473	—	—	127	2,569	2,696
Chad	—	—	—	—	—	—	—	—	—
China	153	—	—	116	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	908	908
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	1,131	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	74	—	—	—	—	—
Korea, South	353	—	—	680	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	316	316
Netherlands	—	19	—	—	—	—	—	260	260
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	260	260
Spain	—	—	—	—	—	—	—	80	80
Sweden	—	—	—	—	—	—	—	286	286
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,782	1,782
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	29	—	261	125	453	839
Total	506	22	—	4,550	—	692	884	8,825	10,401
Persian Gulf³	—	—	—	176	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	436	30	—	11,805	53,840	467	131	598
Algeria	—	—	—	—	—	—	—	640	7,146	72	7	79
Angola	—	—	—	—	—	—	—	150	1,211	12	2	13
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	1,001	11	—	11
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	398	3,658	36	4	41
Kuwait	—	—	—	—	—	—	—	118	118	—	1	1
Libya	—	—	—	—	—	—	—	147	3,094	33	2	34
Nigeria	—	—	—	—	—	—	—	1,318	19,980	207	15	222
Qatar	—	—	—	—	—	—	—	1,408	1,408	—	16	16
Saudi Arabia	—	—	—	—	—	—	—	2,195	10,793	96	24	120
United Arab Emirates	—	—	—	—	—	30	—	30	30	—	0	0
Venezuela	—	—	—	—	436	—	—	5,401	5,401	—	60	60
Non-OPEC	4	—	194	170	1,379	463	—	80,372	113,062	363	893	1,256
Argentina	—	—	—	—	—	12	—	533	533	—	6	6
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	78	10	—	1,814	1,814	—	20	20
Brazil	—	—	—	—	—	—	—	2,631	2,631	—	29	29
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	329	4	—	4
Canada	—	—	109	—	1,171	322	—	37,530	53,672	179	417	596
Chad	—	—	—	—	—	—	—	—	1,854	21	—	21
China	—	—	61	—	—	—	—	330	330	—	4	4
Colombia	—	—	—	167	—	—	—	3,483	8,928	61	39	99
Congo (Brazzaville)	—	—	—	—	—	—	—	—	952	11	—	11
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	1,749	19	—	19
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	828	828	—	9	9
France	—	—	—	—	—	25	—	2,312	2,312	—	26	26
Germany	—	—	17	—	—	31	—	425	425	—	5	5
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	4,984	4,984	—	55	55
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	7	—	406	406	—	5	5
Korea, South	—	—	2	—	—	46	—	1,231	1,231	—	14	14
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	1	—	—	—	—	1	1	—	0	0
Mexico	—	—	—	—	—	—	—	316	316	—	4	4
Netherlands	—	—	—	—	—	—	—	2,669	2,669	—	30	30
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	540	4,057	39	6	45
Oman	—	—	—	—	—	—	—	161	161	—	2	2
Portugal	—	—	—	—	—	—	—	1,454	1,454	—	16	16
Russia	—	—	—	—	—	—	—	5,549	6,602	12	62	73
Spain	—	—	4	—	51	—	—	3,971	3,971	—	44	44
Sweden	—	—	—	—	—	—	—	1,831	1,831	—	20	20
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,782	1,782	—	20	20
United Kingdom	4	—	—	—	—	—	—	3,426	4,025	7	38	45
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	3	79	10	—	2,165	3,215	10	22	34
Total	4	—	194	170	1,815	493	—	92,177	166,902	830	1,024	1,854
Persian Gulf³	—	—	—	—	—	30	—	4,149	16,007	132	46	178

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	221,457	8,024	1,362	491	-	-	-	64	1,309	1,373
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	22	22
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	220,968	8,024	1,362	170	-	-	-	64	1,287	1,351
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	489	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	321	-	-	-	0	0	0
Total	221,457	8,024	1,362	491	-	-	-	64	1,309	1,373
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	108	-	-	456	-	82	23	561
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	108	-	-	456	-	82	23	561
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	-	0	0	0
Total	-	-	-	108	-	-	456	-	82	23	561
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	2	3	—	—	148	1	227	232	460
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	2	3	—	—	148	1	227	232	460
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	—	0	0	0	0	0
Total	2	3	—	—	148	1	227	232	460
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	1	—	1	1	—	0	0
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	1	—	1	1	—	0	0
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	251	232	16	76	558	478	4	14,147	235,604	2,461	157	2,618
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	22	22	—	0	0
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	251	232	16	74	558	475	4	13,799	234,767	2,455	153	2,609
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	1	—	1	1	—	0	0
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	489	5	—	5
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	2	—	—	—	2	2	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	0	2	0	323	323	1	4	4
Total	251	232	16	76	558	479	4	14,148	235,605	2,461	157	2,618
Persian Gulf³	—	—	—	—	—	1	—	1	1	—	0	0

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	132,010	-	-	11,506	-	-	-	-	146	146
Algeria	-	-	-	5,689	-	-	-	-	-	-
Angola	1,459	-	-	-	-	-	-	-	-	-
Ecuador	1,618	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	398	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	49,889	-	-	-	-	-	-	-	-	-
Kuwait	6,588	-	-	-	-	-	-	-	-	-
Libya	-	-	-	149	-	-	-	-	-	-
Nigeria	3,623	-	-	306	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	28,502	-	-	362	-	-	-	-	-	-
United Arab Emirates	-	-	-	4,461	-	-	-	-	-	-
Venezuela	39,933	-	-	539	-	-	-	-	146	146
Non-OPEC	123,802	-	495	34,557	-	-	-	-	4,713	4,713
Argentina	380	-	-	-	-	-	-	-	491	491
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	4,228	-	-	-	-	29	29
Brazil	5,357	-	-	897	-	-	-	-	30	30
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	304	-	-	-	-	-	-
Canada	40,018	-	-	753	-	-	-	-	-	-
Chad	2,599	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	16,770	-	-	1	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	95	-	-	-	-	-	-
Denmark	-	-	-	122	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	379	-	-	-	-	-	-
France	-	-	-	191	-	-	-	-	247	247
Germany	-	-	-	235	-	-	-	-	-	-
Guatemala	810	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	220	-	-	114	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	52,534	-	69	-	-	-	-	-	1,288	1,288
Netherlands	-	-	-	2,265	-	-	-	-	307	307
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	2,016	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	115	115
Russia	-	-	-	19,076	-	-	-	-	-	-
Spain	-	-	-	211	-	-	-	-	297	297
Sweden	-	-	-	16	-	-	-	-	81	81
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	499	-	-	-	-	-	-	-	-	-
United Kingdom	3,565	-	-	-	-	-	-	-	607	607
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	652	-	426	3,654	-	-	-	-	1,221	1,221
Total	255,812	-	495	46,063	-	-	-	-	4,859	4,859
Persian Gulf³	84,979	-	-	4,823	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	140	—	140
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	140	—	140
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	728	345	—	71	—	—	16	—	354	241	611
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	52	—	—	—	—	—	—	—	—	—	—
Brazil	234	248	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	71	—	—	—	—	77	—	77
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	87	—	—	—	—	—	—	—	—	—	5
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	277	—	277
Netherlands	337	97	—	—	—	—	16	—	—	—	85
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	18	—	—	—	—	—	—	—	—	167	167
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	—	—	0	—	0	74	0
Total	728	345	—	71	—	—	16	—	494	241	751
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	36	355	—	547	902
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	36	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	355	—	547	902
Non-OPEC	—	—	—	—	1,183	687	340	3,070	4,097
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	22	—	50	—	50
Brazil	—	—	—	—	84	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	77	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	289	289
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	43	—	—	—	—
Germany	—	—	—	—	14	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	722	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	283	—	2,341	2,624
Netherlands	—	—	—	—	3	57	—	—	57
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	23	—	—	—	—
Russia	—	—	—	—	—	347	—	—	347
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	195	0	290	440	730
Total	—	—	—	—	1,219	1,042	340	3,617	4,999
Persian Gulf³	—	—	—	—	36	—	—	—	—

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	558	—	—	—	—	890	—	14,178	146,188	1,467	158	1,624
Algeria	327	—	—	—	—	—	—	6,016	6,016	—	67	67
Angola	—	—	—	—	—	—	—	—	1,459	16	—	16
Ecuador	—	—	—	—	—	—	—	—	1,618	18	—	18
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	398	4	—	4
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	49,889	554	—	554
Kuwait	—	—	—	—	—	—	—	—	6,588	73	—	73
Libya	—	—	—	—	—	—	—	149	149	—	2	2
Nigeria	231	—	—	—	—	—	—	677	4,300	40	8	48
Qatar	—	—	—	—	—	708	—	708	708	—	8	8
Saudi Arabia	—	—	—	—	—	—	—	398	28,900	317	4	321
United Arab Emirates	—	—	—	—	—	182	—	4,643	4,643	—	52	52
Venezuela	—	—	—	—	—	—	—	1,587	41,520	444	18	461
Non-OPEC	982	104	99	1,193	—	2,192	40	51,425	175,227	1,376	571	1,947
Argentina	—	36	—	484	—	7	—	1,018	1,398	4	11	16
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	164	—	164	164	—	2	2
Belgium	—	—	—	—	—	35	—	4,417	4,417	—	49	49
Brazil	—	—	—	—	—	—	—	1,493	6,850	60	17	76
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	304	304	—	3	3
Canada	—	—	—	243	—	—	—	1,221	41,239	445	14	458
Chad	—	—	—	—	—	—	—	—	2,599	29	—	29
China	—	—	73	202	—	—	—	275	275	—	3	3
Colombia	—	—	—	—	—	—	—	290	17,060	186	3	190
Congo (Brazzaville)	—	—	—	—	—	—	—	95	95	—	1	1
Denmark	—	—	—	—	—	—	—	122	122	—	1	1
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	379	379	—	4	4
France	—	68	—	—	—	3	—	552	552	—	6	6
Germany	—	—	—	—	—	12	—	354	354	—	4	4
Guatemala	—	—	—	—	—	—	—	—	810	9	—	9
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	273	—	273	273	—	3	3
Italy	—	—	—	—	—	71	—	189	409	2	2	5
Korea, South	—	—	—	—	—	1,498	—	2,220	2,220	—	25	25
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	21	—	—	—	—	21	21	—	0	0
Mexico	708	—	—	—	—	—	—	4,966	57,500	584	55	639
Netherlands	—	—	—	—	—	—	40	3,191	3,191	—	35	35
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	2,016	2,016	—	22	22
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	138	138	—	2	2
Russia	—	—	—	95	—	—	—	19,703	19,703	—	219	219
Spain	—	—	—	—	—	—	—	508	508	—	6	6
Sweden	—	—	—	—	—	—	—	97	97	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	499	6	—	6
United Kingdom	85	—	—	169	—	15	—	876	4,441	40	10	49
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	189	0	5	0	—	114	0	6,543	7,195	7	73	80
Total	1,540	104	99	1,193	—	3,082	40	65,603	321,415	2,842	729	3,571
Persian Gulf³	—	—	—	—	—	1,054	—	5,913	90,892	944	66	1,010

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	27,195	1,364	-	-	-	-	-	-	50	50
Canada	27,195	1,364	-	-	-	-	-	-	50	50
Other	0	0	-	-	-	-	-	-	0	0
Total	27,195	1,364	-	-	-	-	-	-	50	50
	PAD District 5									
OPEC	55,817	-	-	1,855	-	-	-	-	-	-
Algeria	-	-	-	748	-	-	-	-	-	-
Angola	810	-	-	-	-	-	-	-	-	-
Ecuador	10,609	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	7,759	-	-	-	-	-	-	-	-	-
Kuwait	5,413	-	-	-	-	-	-	-	-	-
Libya	2,608	-	-	-	-	-	-	-	-	-
Nigeria	1,997	-	-	86	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	25,618	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	1,021	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	59,263	3,296	2	6,244	-	80	80	311	579	890
Argentina	2,731	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	6,757	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	22,725	3,073	2	60	-	80	80	-	296	296
China	-	-	-	-	-	-	-	-	-	-
Colombia	14,502	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	96	-	-	-	-	-	-
Indonesia	3,978	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	283	283
Korea, South	-	-	-	62	-	-	-	-	-	-
Malaysia	288	-	-	150	-	-	-	-	-	-
Mexico	5,715	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	179	-	-	-	311	-	311
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	56	-	662	-	-	-	-	-	-
Singapore	-	-	-	147	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	498	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	2,069	167	0	4,888	-	0	0	0	0	0
Total	115,080	3,296	2	8,099	-	80	80	311	579	890
Persian Gulf ³	38,790	-	-	1,021	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	12	-	-	108	-	-	-	108
Canada	-	-	-	12	-	-	108	-	-	-	108
Other	-	-	-	0	-	-	0	-	-	-	0
Total	-	-	-	12	-	-	108	-	-	-	108
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	141	1,118	-	620	-	-	-	620
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	113	-	-	620	-	-	-	620
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	28	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	1,118	-	0	-	-	-	0
Total	-	-	-	141	1,118	-	620	-	-	-	620
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC	—	—	—	5	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	5	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	—	—	—	—
Total	—	—	—	5	—	—	—	—	—
	PAD District 5								
OPEC	—	—	—	—	—	—	—	438	438
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	438	438
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	3	—	5,069	—	—	313	2,573	2,886
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Canada	—	3	—	—	—	—	313	50	363
China	—	—	—	1,933	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Japan	—	—	—	516	—	—	—	—	—
Korea, South	—	—	—	2,620	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	978	978
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	1,185	1,185
Singapore	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	—	—	0	360	360
Total	—	3	—	5,069	—	—	313	3,011	3,324
Persian Gulf ³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2018
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	—	—	—	—	—	—	—	5	5	—	0	0
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	5	5	—	0	0
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	—	201	—	3	1,738	28,933	302	19	321
Canada	—	—	—	—	201	—	3	1,738	28,933	302	19	321
Other	—	—	—	—	0	—	0	0	0	0	0	0
Total	—	—	—	—	201	—	3	1,743	28,938	302	19	322
	PAD District 5											
OPEC	—	—	—	—	—	—	—	2,293	58,110	620	25	646
Algeria	—	—	—	—	—	—	—	748	748	—	8	8
Angola	—	—	—	—	—	—	—	—	810	9	—	9
Ecuador	—	—	—	—	—	—	—	438	11,047	118	5	123
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	7,759	86	—	86
Kuwait	—	—	—	—	—	—	—	—	5,413	60	—	60
Libya	—	—	—	—	—	—	—	—	2,608	29	—	29
Nigeria	—	—	—	—	—	—	—	86	2,083	22	1	23
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	25,618	285	—	285
United Arab Emirates	—	—	—	—	—	—	—	1,021	1,021	—	11	11
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	96	—	123	63	292	36	—	20,959	80,222	658	233	891
Argentina	—	—	—	—	—	—	—	—	2,731	30	—	30
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	6,757	75	—	75
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	63	292	13	—	4,978	27,703	253	55	308
China	—	—	101	—	—	—	—	2,034	2,034	—	23	23
Colombia	—	—	—	—	—	—	—	—	14,502	161	—	161
Finland	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	96	96	—	1	1
Indonesia	—	—	—	—	—	—	—	—	3,978	44	—	44
Japan	—	—	21	—	—	—	—	820	820	—	9	9
Korea, South	—	—	—	—	—	23	—	2,733	2,733	—	30	30
Malaysia	—	—	1	—	—	—	—	151	439	3	2	5
Mexico	—	—	—	—	—	—	—	978	6,693	64	11	74
Netherlands	—	—	—	—	—	—	—	490	490	—	5	5
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	1,903	1,903	—	21	21
Singapore	—	—	—	—	—	—	—	1,265	1,265	—	14	14
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Taiwan	96	—	—	—	—	—	—	96	96	—	1	1
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	498	6	—	6
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	0	0	0	—	5,415	7,484	22	61	84
Total	96	—	123	63	292	36	—	23,252	138,332	1,279	258	1,537
Persian Gulf ³	—	—	—	—	—	—	—	1,021	39,811	431	11	442

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, March 2018
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	3,257	3,525	44,714	53	264	51,813	1,671
Hydrocarbon Gas Liquids	1,573	8,063	34,339	68	968	45,012	1,452
Natural Gas Liquids	1,573	8,063	34,339	68	968	45,012	1,452
Ethane	529	2,952	3,742	—	0	7,223	233
Propane	970	169	27,496	0	847	29,483	951
Normal Butane	14	260	3,026	8	113	3,421	110
Isobutane	1	0	53	—	0	54	2
Natural Gasoline	60	4,682	21	60	8	4,831	156
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	270	2,937	12,817	1	565	16,590	535
Hydrogen/Oxygenates/Renewables/	—	—	—	—	—	—	—
Other Hydrocarbons	241	710	6,196	1	306	7,453	240
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	1	1	2,072	—	2	2,076	67
Methyl Tertiary Butyl Ether (MTBE)	—	0	1,119	—	0	1,119	36
Other Oxygenates	1	1	954	—	2	957	31
Renewable Fuels (including Fuel Ethanol) ...	240	709	4,124	1	304	5,377	173
Fuel Ethanol	226	574	4,033	—	289	5,122	165
Biomass-Based Diesel	14	135	90	1	15	255	8
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	23	2,225	6,230	—	56	8,534	275
Naphthas and Lighter	4	2,220	6,034	—	48	8,306	268
Kerosene and Light Gas Oils	19	6	196	—	8	228	7
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	6	2	392	0	203	602	19
Reformulated	3	0	9	—	1	14	0
Conventional	3	1	383	0	202	589	19
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	4,071	579	90,421	27	11,744	106,842	3,447
Finished Motor Gasoline	35	90	26,470	1	2,877	29,473	951
Reformulated	—	—	—	—	—	—	—
Conventional	35	90	26,470	1	2,877	29,473	951
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	26	37	6,198	—	1,315	7,577	244
Kerosene	2	1	265	—	5	274	9
Distillate Fuel Oil	1,809	45	31,393	0	2,411	35,658	1,150
15 ppm sulfur and under	1,348	0	27,689	0	1,699	30,736	991
Greater than 15 ppm to 500 ppm sulfur	461	26	2,244	—	47	2,778	90
Greater than 500 ppm sulfur	—	19	1,460	—	665	2,144	69
Residual Fuel Oil	1,451	120	7,610	16	1,348	10,544	340
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	204	182	2,519	9	131	3,046	98
Waxes	60	36	18	0	7	122	4
Petroleum Coke	395	31	15,591	—	3,622	19,639	634
Asphalt and Road Oil	68	33	355	1	26	483	16
Miscellaneous Products	21	2	2	0	0	26	1
Total	9,173	15,103	182,291	149	13,540	220,257	7,105

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-March 2018
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	5,565	12,158	120,002	110	509	138,344	1,537
Hydrocarbon Gas Liquids	5,747	24,410	98,058	181	2,557	130,953	1,455
Natural Gas Liquids	5,747	24,410	98,058	181	2,557	130,953	1,455
Ethane	2,713	7,380	9,531	—	0	19,624	218
Propane	2,807	463	78,122	0	2,245	82,750	919
Normal Butane	48	693	11,131	9	330	12,076	134
Isobutane	2	1	194	—	0	196	2
Natural Gasoline	178	15,885	63	172	10	16,309	181
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	872	7,477	35,958	8	1,072	45,386	504
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	534	1,661	16,435	1	376	19,006	211
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	5	3	6,011	0	4	6,023	67
Methyl Tertiary Butyl Ether (MTBE)	0	0	3,424	—	0	3,424	38
Other Oxygenates	5	3	2,587	0	4	2,599	29
Renewable Fuels (including Fuel Ethanol) ...	529	1,659	10,424	1	372	12,984	144
Fuel Ethanol	497	1,469	10,219	—	338	12,523	139
Biomass-Based Diesel	32	190	205	1	33	460	5
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	58	5,806	16,118	7	201	22,191	247
Naphthas and Lighter	13	5,787	15,702	7	177	21,685	241
Kerosene and Light Gas Oils	45	19	417	0	25	506	6
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	280	9	3,404	0	495	4,188	47
Reformulated	4	0	24	—	8	37	0
Conventional	276	9	3,380	0	487	4,151	46
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	10,569	1,881	254,078	74	35,653	302,254	3,358
Finished Motor Gasoline	196	221	79,700	2	7,456	87,575	973
Reformulated	—	—	—	—	—	—	—
Conventional	196	221	79,700	2	7,456	87,575	973
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	366	117	14,822	—	2,975	18,281	203
Kerosene	5	9	575	1	15	604	7
Distillate Fuel Oil	2,320	199	87,242	0	10,055	99,817	1,109
15 ppm sulfur and under	1,362	0	73,822	0	7,111	82,295	914
Greater than 15 ppm to 500 ppm sulfur	638	101	8,481	—	1,216	10,436	116
Greater than 500 ppm sulfur	320	97	4,940	—	1,729	7,087	79
Residual Fuel Oil	3,253	458	21,588	35	2,689	28,023	311
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	1,289	527	7,782	30	1,055	10,682	119
Waxes	181	81	49	1	17	331	4
Petroleum Coke	2,673	122	41,277	0	11,224	55,297	614
Asphalt and Road Oil	240	139	1,035	5	94	1,513	17
Miscellaneous Products	45	7	7	0	72	131	1
Total	22,753	45,925	508,096	373	39,790	616,937	6,855

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2018
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	—	—	236	—	868	868	—	0	0
Australia	—	589	—	0	—	0	0	0	—	0
Bahamas	—	454	—	0	—	44	44	—	0	0
Bahrain	—	—	—	—	—	1	1	—	—	—
Belgium	—	0	—	291	—	1	1	—	0	0
Belize	—	—	—	—	—	24	24	—	—	—
Brazil	700	1,774	—	320	—	425	425	—	—	—
Canada	10,558	8,273	—	2,231	—	811	811	—	203	203
Cayman Islands	—	1	—	—	—	79	79	—	—	—
Chile	—	261	—	106	—	143	143	—	1	1
China	11,766	3,618	—	330	—	12	12	—	—	—
Colombia	526	39	—	1,233	—	749	749	0	—	0
Costa Rica	—	121	—	11	—	472	472	—	120	120
Denmark	571	—	—	—	—	—	—	—	—	—
Dominican Republic	—	805	—	47	—	235	235	—	0	0
Ecuador	—	974	—	276	—	529	529	—	260	260
Egypt	—	468	—	0	—	—	—	—	—	—
El Salvador	—	221	—	1	—	628	628	—	—	—
Finland	—	—	—	0	—	—	—	—	—	—
France	813	17	—	18	—	—	—	—	—	—
Germany	—	0	—	5	—	1	1	—	—	—
Ghana	—	0	—	—	—	519	519	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	0	—	—	—	—	—	—	—	—
Guatemala	—	125	—	7	—	752	752	—	0	0
Honduras	—	599	—	3	—	521	521	0	—	0
Hong Kong	—	—	—	0	—	0	0	—	—	—
India	1,452	1,648	—	448	—	—	—	—	—	—
Indonesia	—	534	—	0	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—	—	—
Israel	—	—	—	1	—	0	0	—	—	—
Italy	5,959	—	—	—	—	—	—	—	—	—
Jamaica	—	39	—	—	—	61	61	—	—	—
Japan	502	6,590	—	443	—	0	0	1	—	1
Korea, South	3,731	2,768	—	21	—	447	447	0	—	0
Lebanon	—	—	—	0	—	—	—	—	—	—
Mexico	—	5,455	—	100	—	17,748	17,748	8	3	11
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	627	—	9	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	635	2,014	—	212	—	—	—	—	0	0
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	0	0	0	—	0
Nicaragua	—	0	—	60	—	185	185	—	—	—
Nigeria	—	0	—	—	—	—	—	—	—	—
Norway	—	0	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	51	—	1	—	801	801	—	0	0
Peru	—	0	—	3	—	1,110	1,110	—	0	0
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	1	—	—	—	6	6	—	0	0
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	1	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	650	1,100	—	1	—	—	—	—	—	—
South Africa	1,014	—	—	—	—	325	325	—	—	—
Spain	498	—	—	—	—	—	—	—	—	—
Switzerland	—	1,102	—	304	—	—	—	—	—	—
Taiwan	1,873	1,658	—	348	—	0	0	—	0	0
Thailand	401	—	—	0	—	—	—	—	—	—
Trinidad and Tobago	—	0	—	8	—	0	0	—	—	—
Turkey	—	1,252	—	—	—	—	—	—	—	—
United Arab Emirates	—	0	—	0	—	—	—	—	—	—
United Kingdom	6,919	792	—	0	—	1	1	—	0	0
Venezuela	—	404	—	1,445	—	1,689	1,689	3	0	3
Other	3,245	638	—	14	—	286	286	2	2	3
Total	51,813	45,012	—	8,534	—	29,473	29,473	14	589	602

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2018
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	—	0	—	—	—	—	237	250	90	—	577
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	0	—	—	—	401	206	—	—	607
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	0	0	—	—	—	15	—	—	—	15
Belize	—	—	—	—	—	—	—	26	27	—	53
Brazil	—	—	2,284	—	—	—	4,458	93	—	—	4,551
Canada	—	1	585	154	—	—	669	73	54	—	795
Cayman Islands	—	—	0	—	—	—	170	—	—	—	170
Chile	210	0	0	1	—	—	3,472	340	—	—	3,812
China	0	0	471	0	—	—	1	—	—	—	1
Colombia	—	—	96	—	—	—	180	—	—	—	180
Costa Rica	—	0	0	—	—	—	681	—	—	—	681
Denmark	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic	—	—	1	—	—	—	5	—	200	—	205
Ecuador	—	—	—	—	—	—	1,469	—	—	—	1,469
Egypt	—	—	0	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	—	425	—	—	—	425
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	0	—	—	—	—	—	—	—	—	—
Germany	—	0	0	—	—	—	0	—	—	—	0
Ghana	—	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	409	—	—	—	409
Greece	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	0	—	—	—	—	1,238	26	201	—	1,465
Honduras	—	—	—	—	—	—	175	89	140	—	404
Hong Kong	—	0	—	—	—	—	—	—	—	—	—
India	—	0	281	—	—	—	0	—	—	—	0
Indonesia	—	0	0	—	—	—	—	—	—	—	—
Ireland	—	0	0	—	—	—	—	—	—	—	—
Israel	—	0	—	—	—	—	2	—	—	—	2
Italy	—	0	—	—	—	—	33	—	—	—	33
Jamaica	—	—	22	—	—	—	378	—	—	—	378
Japan	—	954	4	—	—	—	—	—	—	—	—
Korea, South	—	0	319	—	—	—	0	—	50	—	50
Lebanon	—	—	—	—	—	—	0	—	—	—	0
Mexico	909	0	86	2	—	—	8,265	0	23	—	8,289
Montenegro	—	—	—	—	—	—	0	—	—	—	0
Morocco	—	—	—	—	—	—	330	—	—	—	330
Mozambique	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	0	40	7	—	—	917	461	279	—	1,657
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—	—	—	—
Nicaragua	—	—	0	—	—	—	131	—	310	—	441
Nigeria	—	—	186	—	—	—	—	—	—	—	—
Norway	—	—	44	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—	—
Panama	—	0	0	—	—	—	1,861	285	29	—	2,176
Peru	—	0	106	84	—	—	2,569	—	—	—	2,569
Philippines	—	—	—	—	—	—	0	—	—	—	0
Portugal	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	0	1	—	—	—	0	1	—	—	1
Romania	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	59	—	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—	—
Singapore	0	1	33	1	—	—	290	—	100	—	390
South Africa	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	41	—	—	—	0	—	—	—	0
Switzerland	—	—	60	5	—	—	60	75	—	—	135
Taiwan	—	0	—	—	—	—	0	—	—	—	0
Thailand	—	0	0	0	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	0	—	—	—	—	—	—	—	—
Turkey	—	0	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	270	—	—	—	2	—	—	—	2
United Kingdom	—	—	0	—	—	—	0	0	—	—	1
Venezuela	—	0	—	—	—	—	1,182	—	—	—	1,182
Other	—	1	133	1	—	—	711	853	641	—	2,203
Total	1,119	957	5,122	255	—	—	30,736	2,778	2,144	—	35,658

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2018
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	130	—	—	—	—	0	—	—
Australia	0	—	—	—	—	—	—	—
Bahamas	—	—	—	29	—	360	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	0	—	—
Belize	—	—	—	—	—	—	—	—
Brazil	—	—	—	311	—	—	—	—
Canada	6	—	—	1,195	—	568	—	—
Cayman Islands	—	—	—	40	—	—	—	—
Chile	1	—	—	313	—	—	—	—
China	0	—	—	—	—	240	—	—
Colombia	—	—	—	—	—	—	—	—
Costa Rica	0	—	—	220	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	0	—	—	145	—	—	—	—
Ecuador	—	—	—	—	—	424	—	—
Egypt	—	—	—	—	—	—	—	—
El Salvador	0	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	239	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	0	—	—	37	—	190	—	—
Honduras	0	—	—	23	—	142	—	—
Hong Kong	—	—	—	—	—	0	—	—
India	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	—	—	—	0	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	70	—	588	—	—
Japan	—	—	—	0	—	—	—	—
Korea, South	0	—	—	—	—	0	—	—
Lebanon	—	—	—	0	—	487	—	—
Mexico	0	—	—	1,645	—	1,335	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	—	—	—	886	—	946	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	70	—	—
Nicaragua	0	—	—	—	—	—	—	—
Nigeria	—	—	—	302	—	—	—	—
Norway	121	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	0	—	—	784	—	1,243	—	—
Peru	1	—	—	7	—	—	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	1	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	0	—	—	—	—	1,990	—	—
South Africa	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	0	—	0	—	—
Thailand	—	—	—	—	—	—	—	—
Trinidad and Tobago	0	—	—	0	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	0	—	—	0	—	—	—	—
United Kingdom	0	—	—	609	—	376	—	—
Venezuela	—	—	—	36	—	456	—	—
Other	15	—	—	924	—	890	—	—
Total	274	—	—	7,577	—	10,544	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2018
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	0	0	0	56	—	1,869	1,869	—	60	60
Australia	0	190	0	4	1	786	786	—	25	25
Bahamas	—	—	4	5	—	1,503	1,503	—	48	48
Bahrain	—	—	—	1	—	2	2	—	0	0
Belgium	0	121	—	194	1	623	623	—	20	20
Belize	—	—	—	1	—	78	78	—	3	3
Brazil	1	2,263	0	379	1	12,310	13,010	23	397	420
Canada	86	945	99	253	10	16,214	26,772	341	523	864
Cayman Islands	—	—	1	2	—	293	293	—	9	9
Chile	0	—	86	80	0	5,014	5,014	—	162	162
China	5	1,918	3	62	1	6,660	18,426	380	215	594
Colombia	0	—	—	113	0	2,411	2,937	17	78	95
Costa Rica	0	181	79	26	—	1,913	1,913	—	62	62
Denmark	—	—	0	0	—	0	571	18	0	18
Dominican Republic	0	197	—	20	0	1,656	1,656	—	53	53
Ecuador	0	—	0	23	—	3,955	3,955	—	128	128
Egypt	—	595	—	11	—	1,075	1,075	—	35	35
El Salvador	0	—	—	52	—	1,327	1,327	—	43	43
Finland	—	—	—	0	—	0	0	—	0	0
France	0	30	—	79	—	144	958	26	5	31
Germany	1	14	0	21	—	42	42	—	1	1
Ghana	—	—	—	1	—	520	520	—	17	17
Gibraltar	—	—	—	—	—	648	648	—	21	21
Greece	—	470	—	23	—	494	494	—	16	16
Guatemala	0	272	—	24	—	2,873	2,873	—	93	93
Honduras	0	220	32	14	—	1,958	1,958	—	63	63
Hong Kong	0	—	0	3	1	4	4	—	0	0
India	3	2,700	1	52	0	5,133	6,585	47	166	212
Indonesia	0	—	2	1	—	537	537	—	17	17
Ireland	—	—	—	0	0	0	0	—	0	0
Israel	0	284	—	3	0	290	290	—	9	9
Italy	0	0	0	0	—	34	5,993	192	1	193
Jamaica	—	—	—	7	—	1,164	1,164	—	38	38
Japan	0	1,439	1	4	5	9,440	9,942	16	305	321
Korea, South	0	272	2	3	0	3,884	7,615	120	125	246
Lebanon	—	349	—	1	—	837	837	—	27	27
Mexico	17	2,940	127	872	2	39,538	39,538	—	1,275	1,275
Montenegro	—	176	—	—	—	176	176	—	6	6
Morocco	—	—	—	0	—	966	966	—	31	31
Mozambique	—	81	—	—	—	81	81	—	3	3
Netherlands	3	11	2	48	0	5,828	6,463	20	188	208
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	0	99	—	1	—	171	171	—	6	6
Nicaragua	0	—	—	8	—	694	694	—	22	22
Nigeria	—	—	—	265	—	754	754	—	24	24
Norway	0	58	—	0	—	224	224	—	7	7
Pakistan	—	0	0	0	0	1	1	—	0	0
Panama	—	—	35	28	—	5,120	5,120	—	165	165
Peru	0	0	0	73	0	3,954	3,954	—	128	128
Philippines	0	0	—	1	1	3	3	—	0	0
Portugal	—	—	—	0	—	0	0	—	0	0
Puerto Rico	0	—	1	11	0	22	22	—	1	1
Romania	0	310	—	0	—	310	310	—	10	10
Saudi Arabia	0	2	—	4	—	66	66	—	2	2
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	1	—	1	10	—	3,527	4,177	21	114	135
South Africa	0	41	—	56	—	422	1,436	33	14	46
Spain	1	767	—	1	—	809	1,307	16	26	42
Switzerland	—	0	—	0	—	1,606	1,606	—	52	52
Taiwan	0	0	0	5	0	2,013	3,886	60	65	125
Thailand	0	—	1	2	0	4	405	13	0	13
Trinidad and Tobago	—	—	0	5	0	14	14	—	0	0
Turkey	0	2,388	—	26	—	3,666	3,666	—	118	118
United Arab Emirates	0	0	0	38	0	311	311	—	10	10
United Kingdom	0	39	1	1	0	1,820	8,738	223	59	282
Venezuela	—	66	—	8	—	5,290	5,290	—	171	171
Other	4	201	5	65	3	5,363	8,608	105	172	279
Total	122	19,639	483	3,046	26	168,444	220,257	1,671	5,434	7,105

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2018
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	305	0	—	799	—	1,594	1,594	—	0	0
Australia	—	589	—	1	—	321	321	0	0	1
Bahamas	—	548	—	0	—	801	801	—	0	0
Bahrain	—	—	—	—	—	1	1	—	—	—
Belgium	—	0	—	297	—	1	1	—	0	0
Belize	—	—	—	—	—	132	132	—	—	—
Brazil	1,564	3,003	—	1,074	—	4,807	4,807	—	—	—
Canada	32,653	24,919	—	5,830	—	4,201	4,201	—	2,798	2,798
Cayman Islands	—	11	—	—	—	169	169	0	—	0
Chile	—	1,670	—	647	—	918	918	—	1	1
China	32,160	10,435	—	480	—	38	38	—	—	—
Colombia	1,512	92	—	2,791	—	1,250	1,250	0	150	150
Costa Rica	—	399	—	11	—	1,395	1,395	—	400	400
Denmark	1,065	—	—	—	—	—	—	—	—	—
Dominican Republic	—	2,695	—	48	—	603	603	—	0	0
Ecuador	—	1,942	—	296	—	1,580	1,580	—	260	260
Egypt	—	1,499	—	0	—	—	—	—	—	—
El Salvador	—	664	—	1	—	1,302	1,302	—	—	—
Finland	—	—	—	0	—	—	—	—	—	—
France	2,224	1,406	—	62	—	1	1	—	1	1
Germany	—	0	—	10	—	1	1	—	0	0
Ghana	—	177	—	0	—	519	519	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	0	—	—	—	—	—	—	—	—
Guatemala	—	946	—	7	—	2,661	2,661	—	1	1
Honduras	—	1,150	—	3	—	1,681	1,681	0	—	0
Hong Kong	2,385	0	—	1	—	0	0	—	—	—
India	3,008	5,769	—	1,018	—	0	0	—	—	—
Indonesia	—	3,193	—	17	—	0	0	—	—	—
Ireland	—	—	—	—	—	—	—	—	—	—
Israel	—	—	—	1	—	0	0	—	—	—
Italy	11,515	236	—	0	—	—	—	—	—	—
Jamaica	—	175	—	1	—	64	64	—	—	—
Japan	520	20,185	—	1,091	—	1	1	2	0	2
Korea, South	6,501	5,462	—	38	—	728	728	0	—	0
Lebanon	—	—	—	0	—	—	—	—	—	—
Mexico	—	14,142	—	332	—	50,375	50,375	30	536	566
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,278	—	19	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	8,420	5,965	—	562	—	1,222	1,222	—	0	0
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	—	0	—	0	0	0	—	0
Nicaragua	521	0	—	60	—	540	540	—	—	—
Nigeria	—	1	—	0	—	526	526	—	—	—
Norway	2,705	1,026	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	52	—	96	—	1,780	1,780	—	0	0
Peru	—	0	—	33	—	2,368	2,368	—	0	0
Philippines	—	—	—	0	—	7	7	—	—	—
Portugal	625	161	—	—	—	—	—	—	—	—
Puerto Rico	—	7	—	1	—	9	9	—	1	1
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	6	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	1,116	6,187	—	525	—	—	—	—	—	—
South Africa	1,014	1	—	—	—	325	325	—	—	—
Spain	1,543	1,524	—	0	—	—	—	—	—	—
Switzerland	1,594	1,364	—	304	—	—	—	—	—	—
Taiwan	6,871	1,658	—	667	—	0	0	—	0	0
Thailand	1,466	0	—	15	—	—	—	—	0	0
Trinidad and Tobago	—	1	—	8	—	0	0	—	—	—
Turkey	—	2,343	—	0	—	—	—	—	—	—
United Arab Emirates	—	1	—	2	—	1	1	—	—	—
United Kingdom	9,784	4,246	—	1	—	2	2	—	0	0
Venezuela	—	651	—	4,045	—	3,795	3,795	4	0	4
Other	7,273	2,180	—	991	—	1,856	1,856	1	3	3
Total	138,344	130,953	—	22,191	—	87,575	87,575	37	4,151	4,188

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2018
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	—	0	0	—	—	—	1,470	270	90	—	1,830
Australia	—	0	0	—	—	—	0	—	0	—	0
Bahamas	—	1	0	—	—	—	554	206	188	—	948
Bahrain	—	—	0	—	—	—	—	—	—	—	—
Belgium	18	0	0	—	—	—	738	94	252	—	1,083
Belize	—	—	—	—	—	—	38	54	27	—	119
Brazil	—	0	5,712	—	—	—	10,132	1,571	9	—	11,712
Canada	—	2	1,584	225	—	—	669	1,074	209	—	1,953
Cayman Islands	—	—	0	—	—	—	298	—	—	—	298
Chile	619	0	1	2	—	—	8,304	801	260	—	9,365
China	0	1	1,258	1	—	—	2	—	—	—	2
Colombia	—	—	280	—	—	—	831	0	—	—	832
Costa Rica	—	0	1	1	—	—	2,045	—	—	—	2,045
Denmark	—	—	0	—	—	—	—	—	—	—	—
Dominican Republic	—	—	1	—	—	—	24	275	200	—	499
Ecuador	—	—	0	—	—	—	2,421	546	523	—	3,490
Egypt	—	—	1	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	—	1,032	2	130	—	1,164
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	1	—	—	—	—	1,271	—	—	—	1,271
Germany	—	0	0	0	—	—	0	—	—	—	0
Ghana	—	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	409	399	297	—	1,104
Greece	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	0	—	—	—	—	2,330	1,141	201	—	3,672
Honduras	—	—	—	—	—	—	522	487	140	—	1,149
Hong Kong	—	0	0	—	—	—	—	—	—	—	—
India	0	0	614	—	—	—	1	—	—	—	1
Indonesia	—	0	0	—	—	—	—	—	—	—	—
Ireland	—	0	0	—	—	—	—	—	—	—	—
Israel	—	0	4	—	—	—	2	—	—	—	2
Italy	—	0	0	—	—	—	33	—	—	—	33
Jamaica	—	—	44	—	—	—	1,190	—	112	—	1,301
Japan	—	2,588	4	—	—	—	2	—	—	—	2
Korea, South	—	0	517	—	—	—	3	—	100	—	103
Lebanon	—	—	—	—	—	—	0	—	—	—	0
Mexico	2,359	1	169	37	—	—	27,248	398	56	—	27,702
Montenegro	—	—	—	—	—	—	0	—	—	—	0
Morocco	—	—	—	—	—	—	650	—	—	—	650
Mozambique	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	0	94	7	—	—	1,525	461	874	—	2,860
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
New Zealand	—	0	—	—	—	—	—	—	—	—	—
Nicaragua	—	—	0	0	—	—	131	95	597	—	823
Nigeria	—	—	283	—	—	—	—	—	—	—	—
Norway	—	—	45	—	—	—	—	—	—	—	—
Pakistan	—	0	0	—	—	—	—	—	—	—	—
Panama	—	0	0	—	—	—	3,914	487	250	—	4,650
Peru	—	0	228	162	—	—	6,553	525	—	—	7,078
Philippines	—	0	245	—	—	—	0	—	—	—	0
Portugal	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	0	1	91	—	—	—	1	2	—	—	2
Romania	—	—	—	—	—	—	320	—	—	—	320
Saudi Arabia	—	0	114	—	—	—	1	—	—	—	1
Serbia	—	—	—	—	—	—	—	—	—	—	—
Singapore	0	2	416	1	—	—	1,096	30	817	—	1,943
South Africa	—	0	—	—	—	—	—	—	—	—	—
Spain	—	0	41	—	—	—	151	—	—	—	151
Switzerland	—	0	91	15	—	—	468	132	0	—	600
Taiwan	0	0	1	—	—	—	0	—	—	—	0
Thailand	—	0	0	0	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	0	0	—	—	0	—	—	—	0
Turkey	—	1	—	—	—	—	1	—	—	—	1
United Arab Emirates	—	0	493	—	—	—	2	—	—	—	2
United Kingdom	—	0	1	—	—	—	720	1	—	—	721
Venezuela	427	0	—	—	—	—	2,751	—	—	—	2,751
Other	1	1	190	9	—	—	2,442	1,385	1,755	—	5,584
Total	3,424	2,599	12,523	460	—	—	82,295	10,436	7,087	—	99,817

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2018
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	130	—	—	113	—	0	—	—
Australia	0	—	—	—	—	—	—	—
Bahamas	—	—	—	163	—	1,008	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	0	—	—
Belize	0	—	—	26	—	—	—	—
Brazil	—	—	—	336	—	200	—	—
Canada	102	—	—	4,043	—	2,079	—	—
Cayman Islands	—	—	—	73	—	—	—	—
Chile	2	—	—	830	—	—	—	—
China	1	—	—	0	—	240	—	—
Colombia	0	—	—	—	—	0	—	—
Costa Rica	0	—	—	509	—	0	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	0	—	—	286	—	301	—	—
Ecuador	—	—	—	—	—	647	—	—
Egypt	—	—	—	—	—	0	—	—
El Salvador	0	—	—	20	—	—	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—
Germany	0	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	1,175	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	66	—	—	169	—	846	—	—
Honduras	0	—	—	142	—	429	—	—
Hong Kong	—	—	—	0	—	7	—	—
India	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	—	—	—	667	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	250	—	978	—	—
Japan	—	—	—	0	—	—	—	—
Korea, South	0	—	—	0	—	0	—	—
Lebanon	—	—	—	0	—	867	—	—
Mexico	2	—	—	4,715	—	3,146	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	1	—	—	887	—	2,148	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	70	—	—
Nicaragua	100	—	—	—	—	—	—	—
Nigeria	—	—	—	302	—	—	—	—
Norway	121	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	0	—	—	1,758	—	2,217	—	—
Peru	1	—	—	307	—	111	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	1	—	1	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	0	—	—	—	—	6,183	—	—
South Africa	0	—	—	—	—	0	—	—
Spain	—	—	—	—	—	0	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	0	—	1	—	—
Thailand	—	—	—	—	—	0	—	—
Trinidad and Tobago	0	—	—	2	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	1	—	—	0	—	246	—	—
United Kingdom	0	—	—	1,219	—	2,001	—	—
Venezuela	—	—	—	63	—	741	—	—
Other	77	—	—	1,400	—	2,381	—	—
Total	604	—	—	18,281	—	28,023	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2018
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	1	174	0	179	—	4,822	5,127	3	54	57
Australia	1	760	0	53	1	1,727	1,727	—	19	19
Bahamas	—	—	9	16	—	3,494	3,494	—	39	39
Bahrain	0	—	—	1	—	2	2	—	0	0
Belgium	0	827	0	891	1	3,119	3,119	—	35	35
Belize	—	—	—	3	—	280	280	—	3	3
Brazil	2	5,722	1	971	2	33,541	35,105	17	373	390
Canada	240	1,795	374	794	23	50,961	83,614	363	566	929
Cayman Islands	—	—	4	4	—	558	558	—	6	6
Chile	1	—	168	235	0	14,459	14,459	—	161	161
China	8	6,450	8	107	5	19,034	51,193	357	211	569
Colombia	0	1	0	330	1	5,725	7,237	17	64	80
Costa Rica	1	181	202	50	0	5,195	5,195	—	58	58
Denmark	—	150	0	0	—	150	1,215	12	2	13
Dominican Republic	1	346	96	96	0	4,974	4,974	—	55	55
Ecuador	0	191	1	758	—	9,165	9,165	—	102	102
Egypt	—	1,480	—	22	—	3,002	3,002	—	33	33
El Salvador	0	201	0	93	—	3,445	3,445	—	38	38
Finland	0	—	—	1	—	1	1	—	0	0
France	1	690	—	210	—	3,642	5,866	25	40	65
Germany	3	14	2	210	0	241	241	—	3	3
Ghana	—	—	0	2	—	698	698	—	8	8
Gibraltar	—	—	—	—	—	2,279	2,279	—	25	25
Greece	0	1,587	—	23	—	1,610	1,610	—	18	18
Guatemala	1	859	—	58	—	9,287	9,287	—	103	103
Honduras	0	440	32	32	—	5,059	5,059	—	56	56
Hong Kong	1	249	0	10	1	269	2,654	26	3	29
India	4	5,706	5	770	1	13,889	16,896	33	154	188
Indonesia	0	0	3	2	0	3,216	3,216	—	36	36
Ireland	—	188	—	0	0	189	189	—	2	2
Israel	0	284	—	7	0	965	965	—	11	11
Italy	1	2,150	0	2	—	2,424	13,939	128	27	155
Jamaica	—	—	—	20	0	2,833	2,833	—	31	31
Japan	2	4,897	1	43	10	28,828	29,348	6	320	326
Korea, South	1	560	5	15	1	7,432	13,934	72	83	155
Lebanon	0	466	—	9	—	1,343	1,343	—	15	15
Mexico	48	5,920	443	2,496	76	112,528	112,528	—	1,250	1,250
Montenegro	—	176	—	—	—	176	176	—	2	2
Morocco	—	1,540	—	0	—	4,488	4,488	—	50	50
Mozambique	—	191	—	—	—	191	191	—	2	2
Netherlands	6	641	4	128	1	14,527	22,947	94	161	255
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	0	165	0	4	—	239	239	—	3	3
Nicaragua	0	—	—	16	—	1,540	2,060	6	17	23
Nigeria	—	—	—	362	0	1,474	1,474	—	16	16
Norway	0	197	0	1	—	1,390	4,095	30	15	45
Pakistan	—	0	0	36	0	37	37	—	0	0
Panama	—	—	101	52	0	10,706	10,706	—	119	119
Peru	0	0	0	216	0	10,505	10,505	—	117	117
Philippines	0	0	—	3	1	257	257	—	3	3
Portugal	0	397	—	0	—	558	1,183	7	6	13
Puerto Rico	0	—	1	46	0	162	162	—	2	2
Romania	0	310	—	0	—	630	630	—	7	7
Saudi Arabia	0	8	0	10	0	138	138	—	2	2
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	1	—	3	696	0	15,956	17,072	12	177	190
South Africa	0	127	0	140	—	594	1,608	11	7	18
Spain	1	1,740	—	3	0	3,460	5,003	17	38	56
Switzerland	0	0	—	0	—	2,374	3,967	18	26	44
Taiwan	0	0	1	14	1	2,343	9,214	76	26	102
Thailand	0	—	2	8	1	26	1,492	16	0	17
Trinidad and Tobago	0	0	0	13	0	25	25	—	0	0
Turkey	0	6,315	—	52	—	8,712	8,712	—	97	97
United Arab Emirates	0	1	1	177	0	924	924	—	10	10
United Kingdom	1	262	2	2	0	8,457	18,241	109	94	203
Venezuela	0	66	—	12	—	12,556	12,556	—	140	140
Other	5	873	44	178	5	15,763	23,038	82	177	256
Total	331	55,297	1,513	10,682	131	478,594	616,937	1,537	5,318	6,855

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2018
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	2,523	-44	-	138	-	-72	-72	0	43	42
Algeria	51	-	-	56	-	-	-	-	-	-
Angola	6	-	-	-	-	-	-	-	5	5
Ecuador	130	-31	-	-9	-	-17	-17	-	-8	-8
Equatorial Guinea	65	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	708	-	-	13	-	-	-	-	-	-
Kuwait	131	-	-	-	-	-	-	-	-	-
Libya	78	-	-	1	-	-	-	-	-	-
Nigeria	126	0	-	-	-	-	-	-	26	26
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	748	-	-	12	-	-	-	-	-	-
United Arab Emirates	-	0	-	104	-	-	-	-	-	-
Venezuela	480	-13	-	-39	-	-54	-54	0	20	20
Non-OPEC	3,421	-1,223	32	205	-	-841	-841	193	398	591
Argentina	67	-	-	-8	-	-28	-28	-	2	2
Aruba	-	-	-	0	-	-2	-2	-	-	-
Australia	-	-19	-	0	-	0	0	0	-	0
Bahamas	-	-15	-	0	-	-1	-1	-	0	0
Bahrain	-	-	-	-	-	0	0	-	-	-
Belgium	-	0	-	32	-	0	0	5	28	33
Brazil	28	-57	-	0	-	-14	-14	-	19	19
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	0	-	-	-	-	-	-
Canada	3,191	-85	24	-71	-	-18	-18	126	51	177
Chad	45	0	-	-	-	-	-	-	-	-
China	-380	-117	-	-11	-	0	0	-	-	-
Colombia	314	-1	-	-40	-	-24	-24	0	13	13
Denmark	-18	-	-	4	-	-	-	-	-	-
Dominican Republic	-	-26	-	-2	-	-8	-8	-	0	0
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	0	-	-	-	-	17	17
France	-26	-1	-	-1	-	-	-	19	8	27
Germany	-	0	-	8	-	1	1	-	-	-
Guatemala	9	-4	-	0	-	-24	-24	-	0	0
Honduras	-	-19	-	0	-	-17	-17	0	-	0
India	-47	-53	-	-14	-	-	-	-	34	34
Indonesia	39	-17	-	0	-	-	-	-	-	-
Italy	-192	-	-	1	-	-	-	-	-	-
Japan	-16	-213	-	-14	-	0	0	0	5	5
Korea, South	-120	-89	-	1	-	-14	-14	0	5	5
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	9	-	-	-	-	-	-	-	-	-
Mexico	699	-176	1	-3	-	-573	-573	0	30	29
Netherlands	-20	-65	-	21	-	15	15	11	25	36
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	57	2	-	31	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Panama	-	-2	-	0	-	-26	-26	-	0	0
Portugal	-	-	-	-	-	-	-	-	22	22
Puerto Rico	-	0	-	-	-	0	0	-	0	0
Russia	57	-	-	250	-	3	3	1	39	41
Spain	-16	-	-	3	-	-	-	-	46	46
Sweden	-	-11	-	1	-	11	11	-	13	13
Trinidad and Tobago	16	2	-	0	-	0	0	-	-	-
United Kingdom	-181	-26	-	0	-	0	0	31	20	50
Vietnam	16	-	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-2	-	0	-	0	0	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-110	-229	7	17	-	-122	-122	0	21	22
Total	5,944	-1,267	32	343	-	-913	-913	193	441	634
Persian Gulf²	1,588	0	-	129	-	0	0	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2018
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	0	-17	-	-	-	-86	-7	-	-	-92
Algeria	-	-	-	-	-	-	-	-7	-	-	-7
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-47	-	-	-	-47
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-6	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	0	-2	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-9	-	-	-	0	-	-	-	0
Venezuela	-	0	-	-	-	-	-38	-	-	-	-38
Non-OPEC	-24	-26	-149	7	9	-	-792	-82	-43	15	-901
Argentina	-	0	-	-	-	-	-8	-8	-3	-	-19
Aruba	-	-	-	-	-	-	-5	-	-	-	-5
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	0	-	-	-	-13	-7	-	-	-20
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	1	0	0	-	-	-	0	-	-	-	0
Brazil	1	1	-74	-	-	-	-144	-3	-	-	-147
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-19	4	-	-	73	-1	24	0	97
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	-15	0	-	-	0	-	-	-	0
Colombia	-	-	-3	-	-	-	-6	-	-	10	4
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	0	-	-6	-	-7
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-	-	-	-	-	-	-	-	-
Germany	1	0	0	5	-	-	0	-	-	-	0
Guatemala	-	0	-	-	-	-	-40	-1	-6	-	-47
Honduras	-	-	-	-	-	-	-6	-3	-5	-	-13
India	-	0	-9	-	-	-	20	-	-	-	20
Indonesia	-	0	0	-	-	-	-	-	-	-	-
Italy	-	0	-	-	-	-	-1	-	-	-	-1
Japan	-	-31	0	-	-	-	-	-	-	-	-
Korea, South	-	0	-10	1	-	-	0	-	-2	-	-2
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	-	-	-	-	-	-	-15	-	-15
Mexico	-29	0	-3	0	-	-	-267	0	-1	-	-267
Netherlands	8	3	-1	0	-	-	-30	-15	-9	-	-53
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-1	-	-	-	-	-	-	-	-
Oman	-	-	-3	-	-	-	0	-	-	-	0
Panama	-	0	0	-	-	-	-60	-9	-1	-	-70
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	0	0	-	-	0
Russia	1	-	-	-	-	-	-	-	-	5	5
Spain	-	-	-1	-	-	-	0	-	-	-	0
Sweden	-	0	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	0	-	-	-	-	-	-	-	-
United Kingdom	-	-	0	-	-	-	0	0	-	-	0
Vietnam	-	-	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	-	-	-	-	-	-	-	-3	-5	-	-8
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-7	1	-10	-3	9	-	-305	-32	-14	0	-353
Total	-24	-26	-165	7	9	-	-877	-88	-43	15	-993
Persian Gulf²	-	0	-11	-	-	-	0	-	-	-	0

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2018
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	1	-	15	-	-
Algeria	-	-	-	-	-	0	-	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-8	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-10	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-
United Arab Emirates	0	-	-	0	-	-	-	-
Venezuela	-	-	-	11	-	23	-	-
Non-OPEC	-4	1	-	-150	11	-121	19	5
Argentina	-4	-	-	-	-	0	-	1
Aruba	-	-	-	-3	-	-	-	-
Australia	0	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	-12	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	0	-	-
Brazil	-	-	-	-10	-	1	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	0	0	-	-21	2	48	3	3
Chad	-	-	-	-	-	-	-	-
China	5	-	-	27	-	-8	-	-
Colombia	-	-	-	-	-	10	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-5	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	0
Germany	-	-	-	-	-	-	-	-
Guatemala	0	-	-	-1	-	-6	-	-
Honduras	0	-	-	-1	-	-5	-	-
India	-	-	-	1	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	2	-	-	-	-
Japan	-	-	-	13	2	-	4	-
Korea, South	0	-	-	22	8	0	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-
Mexico	0	-	-	-53	-	1	9	-
Netherlands	-	1	-	-29	-	-31	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-4	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-25	-	-40	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	0	-	-	-	-
Russia	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	0	-	-	0	-	31	-	-
United Kingdom	0	-	-	-20	-	-12	1	-
Vietnam	0	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-8	-	-24	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-1	0	-	-38	-1	-74	2	1
Total	-4	1	-	-149	11	-106	19	5
Persian Gulf²	0	-	-	0	-	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2018
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-2	2	7	0	-21	2,502
Algeria	0	—	—	0	—	49	101
Angola	—	—	—	0	—	5	10
Ecuador	0	—	0	-1	—	-122	8
Equatorial Guinea	—	—	—	0	—	0	65
Gabon	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—
Iraq	—	—	—	0	—	13	721
Kuwait	—	0	0	0	—	0	131
Libya	—	—	—	0	—	1	79
Nigeria	—	—	—	-9	—	2	129
Qatar	—	0	—	16	—	16	16
Saudi Arabia	0	0	—	0	—	10	758
United Arab Emirates	0	0	0	1	0	97	97
Venezuela	—	-2	2	0	—	-92	388
Non-OPEC	1	-614	12	-46	0	-3,207	214
Argentina	0	12	0	-2	—	-46	21
Aruba	—	—	0	0	—	-10	-10
Australia	0	-6	0	0	0	-25	-25
Bahamas	—	—	0	—	—	-48	-48
Bahrain	—	—	—	3	—	3	3
Belgium	0	-4	—	-6	0	56	56
Brazil	0	-73	0	-12	0	-364	-336
Brunei	—	0	—	0	—	0	0
Cameroon	—	—	0	0	—	0	0
Canada	-1	-29	23	0	0	136	3,327
Chad	—	—	—	—	—	0	45
China	2	-58	0	-2	0	-177	-557
Colombia	0	—	—	-4	0	-45	269
Denmark	—	—	0	0	—	4	-14
Dominican Republic	0	-6	—	-1	0	-53	-53
Estonia	—	—	—	0	—	0	0
Finland	—	—	—	0	—	17	17
France	0	-1	—	-2	—	23	-3
Germany	1	0	0	0	—	14	14
Guatemala	0	-9	—	-1	—	-93	-83
Honduras	0	-7	-1	0	—	-63	-63
India	0	-87	0	-2	0	-111	-158
Indonesia	0	—	0	3	—	-14	25
Italy	0	0	0	0	—	2	-190
Japan	0	-46	0	0	0	-281	-297
Korea, South	0	-9	0	24	0	-64	-184
Latvia	—	—	—	0	—	0	0
Lithuania	—	—	—	0	—	0	0
Malaysia	0	—	—	0	0	-15	-6
Mexico	-1	-95	-4	-28	0	-1,191	-492
Netherlands	0	0	0	-2	1	-97	-118
Netherlands Antilles	—	—	—	—	—	—	—
Norway	0	-2	—	0	—	26	83
Oman	—	0	—	0	—	-3	-3
Panama	—	—	-1	-1	—	-165	-165
Portugal	—	—	—	0	—	22	22
Puerto Rico	0	—	0	0	0	-1	-1
Russia	0	—	—	0	—	300	356
Spain	0	-25	2	0	—	25	9
Sweden	0	-1	—	0	—	11	11
Trinidad and Tobago	—	—	0	0	0	32	48
United Kingdom	0	-1	0	0	0	-7	-187
Vietnam	0	—	—	0	0	0	16
Virgin Islands, U.S.	—	—	0	0	—	-42	-42
Yemen	—	—	—	0	—	0	0
Other	0	-167	-7	-13	-1	-963	-1,073
Total	1	-616	14	-39	0	-3,228	2,716
Persian Gulf²	0	0	0	20	0	138	1,725

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2018
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	2,554	-27	-	100	-	-66	-66	0	38	38
Algeria	72	2	-	77	-	-	-	-	-	-
Angola	37	-	-	-	-	-	-	-	2	2
Ecuador	136	-22	-	-3	-	-18	-18	-	-3	-3
Equatorial Guinea	22	-	-	-	-	-	-	-	-	-
Gabon	4	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	677	-	-	4	-	-	-	-	-	-
Kuwait	133	-	-	-	-	0	0	-	-	-
Libya	62	-	-	2	-	-	-	-	-	-
Nigeria	270	0	-	5	-	-6	-6	-	14	14
Qatar	-	-	-	-11	-	0	0	-	-	-
Saudi Arabia	697	-	-	4	-	-	-	-	-	-
United Arab Emirates	-	0	-	61	-	0	0	-	-	-
Venezuela	444	-7	-	-39	-	-42	-42	0	25	25
Non-OPEC	3,623	-1,219	27	285	-	-878	-878	200	264	464
Argentina	31	0	-	-9	-	-18	-18	-	5	5
Aruba	-	0	-	0	-	-2	-2	0	-	0
Australia	-	-7	-	0	-	-4	-4	0	0	0
Bahamas	-	-6	-	0	-	-9	-9	-	0	0
Bahrain	-	-	-	-	-	0	0	-	-	-
Belgium	-	0	-	46	-	0	0	2	11	13
Brazil	117	-33	-	-2	-	-53	-53	-	17	17
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	4	0	-	3	-	-	-	-	-	-
Canada	3,271	-81	22	-54	-	-37	-37	130	29	159
Chad	49	0	-	-	-	-	-	-	-	-
China	-357	-116	-	-5	-	0	0	-	-	-
Colombia	391	-1	-	-31	-	-14	-14	0	14	14
Denmark	-12	-	-	1	-	-	-	-	-	-
Dominican Republic	-	-30	-	-1	-	-7	-7	-	0	0
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	4	-	-	-	-	9	9
France	-25	-16	-	1	-	0	0	23	6	28
Germany	-	0	-	4	-	0	0	-	0	0
Guatemala	9	-11	-	0	-	-30	-30	-	0	0
Honduras	-	-13	-	0	-	-19	-19	0	-	0
India	-33	-64	-	-11	-	0	0	-	17	17
Indonesia	44	-35	-	0	-	0	0	-	-	-
Italy	-126	-3	-	1	-	-	-	-	4	4
Japan	-6	-224	-	-12	-	0	0	0	5	5
Korea, South	-72	-61	-	0	-	-8	-8	0	2	2
Latvia	-	-	-	0	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-2	-	-	2	-	-	-	-	0	0
Mexico	653	-157	1	-4	-	-560	-560	0	8	8
Netherlands	-94	-66	-	22	-	-8	-8	7	15	22
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	9	-5	-	22	-	-	-	-	-	-
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-	-1	-	-1	-	-20	-20	-	0	0
Portugal	-7	-2	-	-	-	-	-	3	14	17
Puerto Rico	-	0	-	0	-	0	0	-	0	0
Russia	20	-	-	263	-	1	1	1	37	38
Spain	-17	-17	-	8	-	-	-	-	42	42
Sweden	-	-5	-	0	-	11	11	-	4	4
Trinidad and Tobago	6	1	-	0	-	0	0	-	-	-
United Kingdom	-62	-47	-	0	-	3	3	35	7	42
Vietnam	6	0	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-4	-	0	-	0	0	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-174	-215	4	38	-	-104	-104	-1	18	18
Total	6,177	-1,246	27	385	-	-943	-943	200	302	502
Persian Gulf²	1,507	0	-	59	-	0	0	-	-	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2018
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
OPEC	-5	0	-10	-	-	-	-18	-8	-4	1	-30
Algeria	-	-	-	-	-	-	-	-2	-	-	-2
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	0	-	-	-	-27	-6	-6	-	-39
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	0	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	0	-	-	-	0
Nigeria	-	-	-3	-	-	-	-	-	2	-	2
Qatar	-	-	0	-	-	-	16	-	-	-	16
Saudi Arabia	-	0	-1	-	-	-	24	-	-	-	24
United Arab Emirates	-	0	-5	-	-	-	0	-	-	-	0
Venezuela	-5	0	-	-	-	-	-31	-	-	1	-29
Non-OPEC	-25	-25	-129	4	12	-	-702	-100	-42	7	-837
Argentina	-	0	0	-	-	-	-16	-3	-1	-	-20
Aruba	-	-	-	-	-	-	-2	-	-	-	-2
Australia	-	0	0	-	-	-	0	-	0	-	0
Bahamas	-	0	0	-	-	-	-6	-2	-2	-	-11
Bahrain	-	-	0	-	-	-	-	-	-	-	-
Belgium	0	0	0	-	-	-	-1	-1	-3	-	-5
Brazil	3	3	-63	-	-	-	-105	-17	0	-	-122
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-18	3	-	-	88	-10	23	0	100
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	-14	0	-	-	0	-	-	-	0
Colombia	-	-	-3	-	-	-	-1	0	-	3	2
Denmark	-	-	0	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	0	-3	-2	-	-6
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-	-	-	-	-14	-	-	-	-14
Germany	1	0	0	4	-	-	0	-	-	-	0
Guatemala	-	0	-	-	-	-	-26	-13	-2	-	-41
Honduras	-	-	-	-	-	-	-6	-5	-2	-	-13
India	0	0	-7	-	-	-	25	-	-	-	25
Indonesia	-	0	0	-	-	-	-	-	-	-	-
Italy	-	0	0	-	-	-	0	-	-	-	0
Japan	-	-29	0	-	-	-	0	-	-	-	0
Korea, South	-	0	-6	0	-	-	0	-	-1	-	-1
Latvia	-	0	-	-	-	-	0	-	-	-	0
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	-	-	-	-	-	-	-5	-	-5
Mexico	-26	0	-2	0	-	-	-303	-4	2	-	-305
Netherlands	4	1	-1	0	-	-	-11	-5	-10	1	-25
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	0	-	-	-	-	-	-	-	-
Oman	-	-	-1	-	-	-	2	-	-	-	2
Panama	-	0	0	-	-	-	-43	-5	-3	-	-52
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	0	0	-1	-	-	-	0	0	-	-	0
Russia	0	-	-	-	-	-	4	6	3	2	15
Spain	-	0	0	-	-	-	-2	-	-	-	-2
Sweden	-	0	0	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	0	0	-	-	0	-	-	-	0
United Kingdom	-	0	0	-	-	-	-8	0	-	-	-8
Vietnam	-	0	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	-	-	-	-	-	-	-	-1	-2	-	-3
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-7	0	-13	-3	12	-	-277	-37	-37	1	-346
Total	-30	-25	-139	4	12	-	-721	-108	-46	8	-867
Persian Gulf²	-	0	-7	-	-	-	39	-	-	-	39

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2018
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	8	0	19	6	-
Algeria	-	-	-	-	-	0	4	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-2	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	1	-	-	-	-
Libya	-	-	-	-	-	2	-	-
Nigeria	-	-	-	-3	-	-	3	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	1	0	-	-	-
United Arab Emirates	0	-	-	0	-	-3	-	-
Venezuela	-	-	-	9	-	23	-	-
Non-OPEC	-1	0	-	-104	15	-118	15	4
Argentina	-1	-	-	-1	-	6	-	0
Aruba	0	-	-	-3	-	-3	-	-
Australia	0	-	-	-	-	-	-	-
Bahamas	-	-	-	-2	-	-11	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	0	1	-	-
Brazil	-	-	-	-4	1	2	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-1	0	-	-29	3	16	3	3
Chad	-	-	-	-	-	-	-	-
China	2	-	-	23	-	-3	-	-
Colombia	0	-	-	-	-	13	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-3	-	-3	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-	0	-	-	1
Germany	0	-	-	-	0	-	-	-
Guatemala	-1	-	-	-2	-	-9	-	-
Honduras	0	-	-	-2	-	-5	-	-
India	-	-	-	13	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	1	-	-	-	-
Japan	-	-	-	6	2	-	2	-
Korea, South	4	-	-	37	8	0	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	0	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-
Mexico	0	-	-	-52	-	9	8	-
Netherlands	0	0	-	-10	0	-20	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-1	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-20	-	-25	-	-
Portugal	-	-	-	-	0	-	-	-
Puerto Rico	0	-	-	0	-	0	-	-
Russia	-	-	-	-	-	11	-	-
Spain	-	-	-	-	-	1	-	-
Sweden	-1	-	-	-	-	3	-	-
Trinidad and Tobago	0	-	-	0	-	20	-	-
United Kingdom	0	-	-	-14	-	-22	1	-
Vietnam	0	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-3	-	-16	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-2	0	-	-39	1	-83	1	0
Total	-1	0	-	-96	15	-98	21	4
Persian Gulf²	0	-	-	2	0	-3	-	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2018
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-3	5	-5	0	32	2,586
Algeria	0	—	—	0	—	80	152
Angola	—	—	—	0	—	2	39
Ecuador	0	-2	0	-8	—	-97	39
Equatorial Guinea	—	—	—	0	—	0	22
Gabon	—	—	—	—	—	—	4
Iran	—	—	—	—	—	—	—
Iraq	—	—	—	0	—	4	681
Kuwait	—	0	0	0	—	1	135
Libya	—	—	—	0	—	3	65
Nigeria	—	—	—	-4	0	7	277
Qatar	0	0	—	8	—	13	13
Saudi Arabia	0	0	0	0	0	27	724
United Arab Emirates	0	0	0	0	0	53	53
Venezuela	0	-1	5	0	—	-62	382
Non-OPEC	1	-595	10	-69	-1	-3,161	462
Argentina	0	3	0	-2	—	-36	-5
Aruba	—	—	0	0	—	-11	-11
Australia	0	-8	0	-1	0	-19	-19
Bahamas	—	—	0	0	—	-39	-39
Bahrain	0	—	—	2	—	2	2
Belgium	0	-9	1	-9	0	37	37
Brazil	0	-64	0	-11	0	-327	-209
Brunei	—	0	—	0	—	0	0
Cameroon	—	—	0	0	—	3	7
Canada	-1	-16	21	0	0	92	3,363
Chad	—	—	—	—	—	0	49
China	3	-69	0	-1	0	-182	-539
Colombia	0	2	0	-4	0	-22	369
Denmark	—	-2	0	0	—	0	-12
Dominican Republic	0	-4	-1	-1	0	-55	-55
Estonia	—	—	—	0	—	0	0
Finland	0	—	—	0	—	13	13
France	0	-8	—	-2	—	-9	-33
Germany	0	0	0	-2	0	7	7
Guatemala	0	-10	—	-1	—	-103	-94
Honduras	0	-5	0	0	—	-56	-56
India	0	-63	0	-9	0	-99	-132
Indonesia	0	0	0	3	0	-33	12
Italy	0	-24	0	1	—	-20	-146
Japan	0	-54	0	0	0	-305	-311
Korea, South	0	-6	0	17	0	-14	-86
Latvia	0	—	—	0	0	0	0
Lithuania	—	—	—	0	—	0	0
Malaysia	0	-2	0	0	0	-5	-8
Mexico	-1	-66	-5	-28	-1	-1,181	-528
Netherlands	0	-7	0	-1	0	-91	-184
Netherlands Antilles	—	—	—	—	—	—	—
Norway	0	-2	0	0	—	14	23
Oman	0	-1	—	0	—	0	0
Panama	—	—	-1	-1	0	-119	-119
Portugal	0	-4	—	0	—	11	5
Puerto Rico	0	—	0	-1	0	-2	-2
Russia	0	1	—	0	—	328	347
Spain	0	-19	1	0	0	13	-5
Sweden	0	0	—	0	0	13	13
Trinidad and Tobago	0	0	0	0	0	21	26
United Kingdom	0	-1	0	0	0	-46	-109
Vietnam	0	—	0	0	0	0	5
Virgin Islands, U.S.	—	—	0	0	—	-26	-26
Yemen	—	—	—	0	—	0	0
Other	0	-157	-6	-18	0	-915	-1,088
Total	1	-598	15	-73	-1	-3,130	3,047
Persian Gulf²	0	0	0	10	0	101	1,608

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, March 2018
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	11,767	121,570	882,869	22,965	49,733	1,088,904
Refinery	9,696	14,200	45,850	2,637	22,197	94,580
Tank Farms and Pipelines (Includes Cushing, OK)	2,071	107,370	171,563	20,328	22,578	323,910
Cushing, Oklahoma	—	35,732	—	—	—	35,732
Leases	—	—	—	—	—	—
Strategic Petroleum Reserve ¹	—	—	665,456	—	—	665,456
Alaskan In Transit	—	—	—	—	4,958	4,958
Total Stocks, All Oils (excluding Crude Oil)²	145,586	171,705	338,255	21,258	96,044	772,847
Refinery	16,842	51,004	125,839	11,270	55,817	260,772
Bulk Terminal	102,979	84,143	161,614	5,777	34,735	389,247
Pipeline	25,543	35,363	49,844	4,064	5,239	120,053
Natural Gas Processing Plant	222	1,195	958	147	253	2,775
Natural Gas Liquids	4,073	32,375	91,949	2,648	2,582	133,627
Refinery	588	2,833	5,200	377	1,437	10,435
Bulk Terminal	2,525	12,625	69,660	80	883	85,773
Pipeline	738	15,722	16,131	2,044	9	34,644
Natural Gas Processing Plant	222	1,195	958	147	253	2,775
Ethane	398	5,594	43,809	459	—	50,260
Refinery	—	—	295	—	—	295
Bulk Terminal	202	2,361	37,703	—	—	40,266
Pipeline	196	3,053	5,673	458	—	9,380
Natural Gas Processing Plant	—	180	138	1	—	319
Propane	2,534	9,745	19,974	965	584	33,802
Refinery	163	711	1,001	51	123	2,049
Bulk Terminal	1,772	4,844	13,124	28	440	20,208
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	84	520	254	63	12	933
Normal Butane	699	5,740	13,464	610	1,186	21,699
Refinery	243	1,241	1,974	228	628	4,314
Bulk Terminal	383	3,660	9,996	39	437	14,515
Pipeline	6	704	1,251	312	—	2,273
Natural Gas Processing Plant	67	135	243	31	121	597
Isobutane	203	1,653	5,643	252	759	8,510
Refinery	182	379	1,532	77	682	2,852
Bulk Terminal	—	446	3,156	—	—	3,602
Pipeline	11	692	880	162	—	1,745
Natural Gas Processing Plant	10	136	75	13	77	311
Natural Gasoline	239	9,643	9,059	362	53	19,356
Refinery	—	502	398	21	4	925
Bulk Terminal	168	1,314	5,681	13	6	7,182
Pipeline	10	7,603	2,732	289	—	10,634
Natural Gas Processing Plant	61	224	248	39	43	615
Refinery Olefins	130	485	4,941	59	40	5,655
Refinery	130	471	2,165	59	40	2,865
Bulk Terminal	—	14	2,776	—	—	2,790
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Ethylene	—	—	0	—	—	0
Refinery	—	—	0	—	—	0
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Propylene	30	328	3,465	4	19	3,846
Refinery	30	314	689	4	19	1,056
Bulk Terminal	—	14	2,776	—	—	2,790
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Butylene	100	157	1,475	55	21	1,808
Refinery	100	157	1,475	55	21	1,808
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Isobutylene	0	0	1	0	0	1
Refinery	0	0	1	0	0	1
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Natural Gas Processing Plant	—	—	—	—	—	—
Other Hydrocarbons	—	32	—	—	—	32
Refinery	—	32	—	—	—	32
Oxygenates (excluding Fuel Ethanol)	—	6	1,704	1	—	1,711
Refinery	—	—	—	—	—	—
Bulk Terminal	—	6	1,704	1	—	1,711
Pipeline	—	—	—	—	—	—

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, March 2018
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
MTBE	—	—	1,327	—	—	1,327
Refinery	—	—	—	—	—	—
Bulk Terminal ³	—	—	1,327	—	—	1,327
Pipeline	—	—	—	—	—	—
Other Oxygenates⁴	—	6	377	1	—	384
Refinery	—	—	—	—	—	—
Bulk Terminal	—	6	377	1	—	384
Pipeline	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	8,881	9,801	5,558	368	4,176	28,783
Refinery	139	149	386	119	166	959
Bulk Terminal	8,712	9,652	5,172	247	4,010	27,792
Pipeline	30	—	—	2	—	32
Fuel Ethanol²	7,004	8,787	4,055	353	2,684	22,883
Refinery	133	120	145	108	39	545
Bulk Terminal	6,841	8,667	3,910	243	2,645	22,306
Pipeline	30	—	—	2	—	32
Renewable Diesel Fuel	1,877	1,014	1,495	15	1,454	5,854
Refinery	6	29	241	11	127	414
Bulk Terminal	1,871	985	1,254	4	1,327	5,440
Pipeline	—	—	—	—	—	—
Other Renewable Fuels	—	—	8	—	38	46
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	8	—	38	46
Pipeline	—	—	—	—	—	—
Unfinished Oils	6,190	13,398	52,927	3,130	22,679	98,324
Naphthas and Lighter	1,998	3,355	12,658	689	3,750	22,450
Refinery	1,389	3,336	11,387	689	3,375	20,176
Bulk Terminal	609	19	1,271	—	375	2,274
Kerosene and Light Gas Oils	703	2,980	10,896	671	4,688	19,938
Refinery	703	2,980	7,886	671	4,459	16,699
Bulk Terminal	—	—	3,010	—	229	3,239
Heavy Gas Oils	2,812	4,663	24,204	1,246	11,524	44,449
Refinery	2,655	4,614	19,875	1,246	11,326	39,716
Bulk Terminal	157	49	4,329	—	198	4,733
Residuum	677	2,400	5,169	524	2,717	11,487
Refinery	677	2,196	4,893	524	2,690	10,980
Bulk Terminal	—	204	276	—	27	507
Motor Gasoline Blending Components²	54,706	51,282	74,946	5,873	29,693	216,500
Refinery	5,148	14,899	28,249	3,182	14,905	66,383
Bulk Terminal	40,359	27,619	30,784	1,775	12,411	112,948
Pipeline	9,199	8,764	15,913	916	2,377	37,169
Reformulated - RBOB	18,722	6,239	10,633	—	14,110	49,704
Refinery	1,149	1,168	2,128	—	5,614	10,059
Bulk Terminal	14,235	3,602	4,818	—	7,288	29,943
Pipeline	3,338	1,469	3,687	—	1,208	9,702
Conventional	35,984	45,043	64,313	5,873	15,583	166,796
Refinery	3,999	13,731	26,121	3,182	9,291	56,324
Bulk Terminal	26,124	24,017	25,966	1,775	5,123	83,005
Pipeline	5,861	7,295	12,226	916	1,169	27,467
CBOB	22,835	36,303	32,679	4,420	7,710	103,947
Refinery	1,055	6,584	11,256	1,731	2,226	22,852
Bulk Terminal	15,919	22,637	9,297	1,773	4,338	53,964
Pipeline	5,861	7,082	12,126	916	1,146	27,131
GTAB	1,081	—	—	—	—	1,081
Refinery	—	—	—	—	—	—
Bulk Terminal	1,081	—	—	—	—	1,081
Pipeline	—	—	—	—	—	—
Other	12,068	8,740	31,634	1,453	7,873	61,768
Refinery	2,944	7,147	14,865	1,451	7,065	33,472
Bulk Terminal	9,124	1,380	16,669	2	785	27,960
Pipeline	—	213	100	—	23	336
Aviation Gasoline Blending Components	—	—	41	—	—	41
Refinery	—	—	41	—	—	41
Bulk Terminal	—	—	—	—	—	—
Finished Motor Gasoline	3,666	5,984	9,299	1,838	2,342	23,129
Refinery	47	1,531	3,000	800	1,125	6,503
Bulk Terminal	1,360	2,366	4,475	728	1,068	9,997
Pipeline	2,259	2,087	1,824	310	149	6,629
Reformulated	29	—	—	—	16	45
Refinery	—	—	—	—	16	16
Bulk Terminal	29	—	—	—	—	29
Pipeline	—	—	—	—	—	—
Reformulated (Blended with Fuel Ethanol)	29	—	—	—	16	45
Refinery	—	—	—	—	16	16
Bulk Terminal	29	—	—	—	—	29
Pipeline	—	—	—	—	—	—

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, March 2018
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	3,637	5,984	9,299	1,838	2,326	23,084
Refinery	47	1,531	3,000	800	1,109	6,487
Bulk Terminal	1,331	2,366	4,475	728	1,068	9,968
Pipeline	2,259	2,087	1,824	310	149	6,629
Conventional (Blended with Fuel Ethanol)	40	83	—	64	—	187
Refinery	—	—	—	55	—	55
Bulk Terminal	40	83	—	9	—	132
Pipeline	—	—	—	—	—	—
Ed55 and Lower	40	83	—	64	—	187
Refinery	—	—	—	55	—	55
Bulk Terminal	40	83	—	9	—	132
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional (Other)	3,597	5,901	9,299	1,774	2,326	22,897
Refinery	47	1,531	3,000	745	1,109	6,432
Bulk Terminal	1,291	2,283	4,475	719	1,068	9,836
Pipeline	2,259	2,087	1,824	310	149	6,629
Finished Aviation Gasoline	196	205	320	9	274	1,004
Refinery	—	100	271	9	195	575
Bulk Terminal	196	105	49	—	79	429
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	8,865	7,535	13,093	682	10,200	40,375
Refinery	447	1,860	6,070	310	4,259	12,946
Bulk Terminal	3,895	3,844	2,914	221	4,910	15,784
Pipeline	4,523	1,831	4,109	151	1,031	11,645
Kerosene	1,368	98	163	2	19	1,650
Refinery	154	81	145	2	3	385
Bulk Terminal	1,214	17	2	—	16	1,249
Pipeline	—	—	16	—	—	16
Distillate Fuel Oil²	40,804	32,245	40,129	3,850	13,363	130,391
Refinery	2,297	7,048	15,638	1,775	5,439	32,197
Bulk Terminal	29,713	18,238	12,645	1,434	6,265	68,295
Pipeline	8,794	6,959	11,846	641	1,659	29,899
15 ppm sulfur and Under	33,752	31,546	33,390	3,598	12,146	114,432
Refinery	1,591	6,492	12,922	1,574	4,532	27,111
Bulk Terminal	24,973	18,207	9,628	1,385	6,181	60,374
Pipeline	7,188	6,847	10,840	639	1,433	26,947
Greater than 15 ppm to 500 ppm sulfur	2,537	245	1,167	195	295	4,439
Refinery	127	117	576	144	294	1,258
Bulk Terminal	2,401	18	484	49	1	2,953
Pipeline	9	110	107	2	—	228
Greater than 500 ppm sulfur	4,515	454	5,572	57	922	11,520
Refinery	579	439	2,140	57	613	3,828
Bulk Terminal	2,339	13	2,533	—	83	4,968
Pipeline	1,597	2	899	—	226	2,724
Residual Fuel Oil⁵	7,884	1,218	20,471	258	5,211	35,042
Refinery	565	917	3,944	258	2,654	8,338
Bulk Terminal	7,319	301	16,527	—	2,547	26,694
Pipeline	—	—	—	—	10	10
Less than 0.31% Sulfur	918	42	1,129	30	224	2,343
Refinery	125	18	188	30	—	361
Bulk Terminal	793	24	941	—	224	1,982
0.31% to 1.00% Sulfur	1,677	152	3,667	19	786	6,301
Refinery	123	124	246	19	531	1,043
Bulk Terminal	1,554	28	3,421	—	255	5,258
Greater than 1.00% Percent Sulfur	5,289	1,024	15,675	209	4,191	26,388
Refinery	317	775	3,510	209	2,123	6,934
Bulk Terminal	4,972	249	12,165	—	2,068	19,454
Petrochemical Feedstocks	89	633	2,532	—	1	3,255
Refinery	89	633	2,532	—	1	3,255
Naphtha for Petrochemical Feedstock Use	89	455	1,647	—	1	2,192
Other Oils for Petrochemical Feedstock Use	—	178	885	—	—	1,063
Special Naphthas	41	139	869	—	27	1,076
Refinery	20	75	864	—	27	986
Bulk Terminal	21	64	5	—	—	90
Lubricants	965	633	9,012	—	1,232	11,842
Refinery	566	200	5,727	—	941	7,434
Bulk Terminal	399	433	3,285	—	291	4,408
Waxes	547	33	212	—	—	792
Refinery	547	33	212	—	—	792
Petroleum Coke	—	2,351	4,510	152	1,756	8,769
Refinery	—	2,351	4,510	152	1,756	8,769
Asphalt and Road Oil	7,154	13,140	5,216	2,369	2,342	30,221
Refinery	654	4,553	2,486	1,078	916	9,687
Bulk Terminal	6,500	8,587	2,730	1,291	1,426	20,534

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, March 2018
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Miscellaneous Products	27	112	363	19	107	628
Refinery	27	112	358	19	103	619
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	5	—	4	9
Total Stocks, All Oils	157,353	293,275	1,221,124	44,223	145,777	1,861,751

— = No Data Reported.

Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

¹ Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

² Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

³ Includes stocks held by merchant producers.

⁴ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

⁵ Sulfur content not available for stocks held by pipelines.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, March 2018
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	29	1,378	1,407	15,384	30,123	45,507	1,368
Connecticut	—	—	—	1,143	—	1,143	115
Delaware	—	—	—	1,100	656	1,756	140
District of Columbia	—	—	—	—	—	—	—
Florida	—	763	763	—	5,106	5,106	—
Georgia	—	134	134	—	2,090	2,090	—
Maine	—	—	—	289	231	520	142
Maryland	—	—	—	1,137	137	1,274	22
Massachusetts	5	—	5	1,451	85	1,536	44
New Hampshire	—	—	—	—	—	—	8
New Jersey	—	60	60	6,306	12,289	18,595	321
New York	24	—	24	900	1,147	2,047	243
North Carolina	—	105	105	—	1,769	1,769	218
Pennsylvania	—	15	15	825	4,407	5,232	77
Rhode Island	—	—	—	913	—	913	—
South Carolina	—	122	122	—	1,013	1,013	20
Vermont	—	40	40	—	—	—	4
Virginia	—	98	98	1,320	1,100	2,420	14
West Virginia	—	41	41	—	93	93	—
PAD District 2	—	3,897	3,897	4,770	37,748	42,518	98
Illinois	—	324	324	2,280	4,771	7,051	80
Indiana	—	274	274	850	5,335	6,185	—
Iowa	—	187	187	—	2,234	2,234	—
Kansas	—	273	273	—	3,857	3,857	12
Kentucky	—	305	305	502	904	1,406	6
Michigan	—	198	198	46	3,024	3,070	—
Minnesota	—	331	331	86	3,457	3,543	—
Missouri	—	182	182	180	688	868	—
Nebraska	—	124	124	—	612	612	—
North Dakota	—	48	48	—	882	882	—
Ohio	—	930	930	44	4,412	4,456	—
Oklahoma	—	400	400	—	3,724	3,724	—
South Dakota	—	41	41	—	467	467	—
Tennessee	—	74	74	—	1,431	1,431	—
Wisconsin	—	206	206	782	1,950	2,732	—
PAD District 3	—	7,475	7,475	6,946	52,087	59,033	147
Alabama	—	98	98	—	915	915	7
Arkansas	—	100	100	—	892	892	—
Louisiana	—	1,199	1,199	488	12,407	12,895	90
Mississippi	—	2,579	2,579	4	1,693	1,697	—
New Mexico	—	101	101	—	466	466	—
Texas	—	3,398	3,398	6,454	35,714	42,168	50
PAD District 4	—	1,528	1,528	—	4,957	4,957	2
Colorado	—	284	284	—	1,421	1,421	—
Idaho	—	307	307	—	195	195	—
Montana	—	475	475	—	1,333	1,333	—
Utah	—	86	86	—	1,110	1,110	2
Wyoming	—	376	376	—	898	898	—
PAD District 5	16	2,177	2,193	12,902	14,414	27,316	19
Alaska	—	1,043	1,043	—	—	—	16
Arizona	—	56	56	672	209	881	—
California	16	482	498	11,957	7,864	19,821	3
Hawaii	—	1	1	—	990	990	—
Nevada	—	67	67	4	159	163	—
Oregon	—	108	108	—	1,382	1,382	—
Washington	—	420	420	269	3,810	4,079	—
U.S. Total	45	16,455	16,500	40,002	139,329	179,331	1,634

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, March 2018
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	26,564	2,528	2,918	32,010	7,884	2,019
Connecticut	1,108	1,032	93	2,233	18	—
Delaware	436	32	43	511	384	25
District of Columbia	—	—	—	—	—	—
Florida	1,767	114	—	1,881	1,548	54
Georgia	973	—	—	973	461	12
Maine	796	1	581	1,378	71	—
Maryland	1,202	130	—	1,332	162	4
Massachusetts	706	361	128	1,195	103	—
New Hampshire	238	—	157	395	12	353
New Jersey	9,497	99	1,038	10,634	3,585	110
New York	3,634	37	141	3,812	491	222
North Carolina	1,284	—	5	1,289	—	228
Pennsylvania	2,891	138	429	3,458	533	902
Rhode Island	284	498	—	782	—	—
South Carolina	603	—	—	603	360	60
Vermont	10	—	8	18	—	—
Virginia	1,014	80	295	1,389	156	6
West Virginia	121	6	—	127	—	43
PAD District 2	24,699	135	452	25,286	1,218	6,075
Illinois	3,431	—	—	3,431	218	565
Indiana	4,215	—	133	4,348	88	219
Iowa	1,871	—	—	1,871	2	208
Kansas	2,159	—	—	2,159	28	3,423
Kentucky	944	3	—	947	197	88
Michigan	1,381	—	—	1,381	315	746
Minnesota	1,917	—	12	1,929	77	78
Missouri	701	15	6	722	—	125
Nebraska	1,065	—	—	1,065	—	83
North Dakota	827	1	—	828	35	64
Ohio	2,138	—	166	2,304	134	370
Oklahoma	1,723	45	95	1,863	45	39
South Dakota	728	—	—	728	—	25
Tennessee	719	—	—	719	31	2
Wisconsin	880	71	40	991	48	40
PAD District 3	22,550	1,060	4,673	28,283	20,471	14,379
Alabama	831	5	27	863	507	31
Arkansas	639	—	39	678	—	41
Louisiana	4,769	617	1,509	6,895	9,424	392
Mississippi	1,068	132	192	1,392	235	356
New Mexico	299	—	—	299	55	5
Texas	14,944	306	2,906	18,156	10,250	13,554
PAD District 4	2,959	193	57	3,209	258	142
Colorado	570	—	—	570	19	18
Idaho	245	—	—	245	—	—
Montana	1,040	70	—	1,110	90	33
Utah	447	65	57	569	53	43
Wyoming	657	58	—	715	96	48
PAD District 5	10,713	295	696	11,704	5,201	575
Alaska	1,089	—	60	1,149	165	3
Arizona	384	—	—	384	—	25
California	5,839	294	319	6,452	3,277	136
Hawaii	212	1	312	525	809	65
Nevada	311	—	5	316	—	—
Oregon	900	—	—	900	7	—
Washington	1,978	—	—	1,978	943	346
U.S. Total	87,485	4,211	8,796	100,492	35,032	23,190

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, March 2018
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	133	129	0	3,777	42,050	7,618	5,458	3,261	28,230
Petroleum Products	17,606	118	0	19,496	38,811	6,986	6,798	100,860	19,613
Natural Gas Liquids	8,348	29	0	5,482	25,084	3,809	534	1,814	9,581
Ethane	5,826	0	—	1,919	12,481	535	—	0	669
Propane	1,315	29	0	2,783	7,970	1,857	183	1,758	641
Normal Butane	425	0	0	461	2,494	776	279	56	292
Isobutane	549	0	0	319	784	284	72	0	645
Natural Gasoline	233	0	—	0	1,355	357	—	0	7,334
Refinery Olefins	0	0	—	327	430	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	327	430	—	—	0	0
Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	48	0	—	0	389	—	—	0	233
Motor Gasoline Blending Components	6,416	0	0	1,193	2,194	1,209	0	52,394	4,561
Reformulated - RBOB	0	0	0	0	427	—	0	6,715	1,716
Conventional	6,416	0	0	1,193	1,767	1,209	0	45,679	2,845
CBOB	6,416	0	0	1,193	1,313	1,209	0	45,347	2,035
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	454	—	—	332	810
Renewable Fuels	0	0	0	9,556	8,235	437	6,098	478	0
Fuel Ethanol	0	0	0	9,556	7,878	402	5,948	478	0
Renewable Diesel Fuel	0	0	0	—	356	35	150	—	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	50	0	0	444	136	233	0	5,707	611
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	50	0	0	444	136	233	0	5,707	611
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	50	0	0	444	136	233	0	5,707	611
Finished Aviation Gasoline	0	0	—	0	0	—	—	53	10
Kerosene-Type Jet Fuel	241	0	0	85	67	577	0	15,243	1,468
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,503	0	0	917	847	721	0	24,253	2,748
15 ppm sulfur and under	2,503	0	0	917	847	721	0	22,656	2,671
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—	—	26	77
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	1,571	—
Residual Fuel Oil	0	0	—	0	715	—	—	94	0
Petrochemical Feedstocks	0	0	—	0	81	—	—	36	0
Naphtha for Petrochemical Feedstock Use	0	0	—	0	81	—	—	36	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—	—	—	33
Lubricants	0	63	—	0	0	—	—	337	217
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	26	0	824	447	0	54	0	0
Asphalt and Road Oil	0	0	0	668	187	0	113	451	136
Miscellaneous Products	0	0	—	—	0	—	—	—	15
Total	17,739	247	0	23,273	80,861	14,604	12,256	104,121	47,843

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, March 2018
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	27	0	21,435	964	313	0	0	0
Petroleum Products	0	5,955	0	8,783	8,769	3,231	0	75	39
Natural Gas Liquids	0	31	0	7,584	8,370	277	0	0	0
Ethane	0	—	0	1,837	2,939	—	0	0	0
Propane	0	0	0	3,090	2,809	114	0	0	0
Normal Butane	0	16	0	1,287	976	111	0	0	0
Isobutane	0	15	0	560	579	52	0	0	0
Natural Gasoline	0	—	0	810	1,067	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	4,347	0	348	0	1,288	0	0	0
Reformulated - RBOB	—	3,009	0	0	0	0	0	0	—
Conventional	0	1,338	0	348	0	1,288	0	0	0
CBOB	0	1,338	0	348	0	1,288	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	0	—	0	0	—
Renewable Fuels	0	430	0	0	0	55	0	0	39
Fuel Ethanol	0	187	0	0	0	55	0	0	0
Renewable Diesel Fuel	0	243	—	0	0	0	—	0	39
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	316	0	749	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	316	0	749	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	316	0	749	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	341	0	29	0	20	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	0	695	0	332	0	465	0	0	0
15 ppm sulfur and under	0	695	0	332	0	465	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	0	—	0	—	0	0	—
Residual Fuel Oil	—	—	0	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	0	0	0	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	72	292	72	0	75	0
Asphalt and Road Oil	0	112	0	103	107	305	0	0	0
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	0	5,982	0	30,218	9,733	3,543	0	75	39

— = No Data Reported.

¹ Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 2018
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil¹	80	79	274	40,297	7,618	185	28,230	0	-
Petroleum Products²	16,532	0	5,095	26,819	6,549	79,458	17,736	0	5,383
Natural Gas Liquids	7,322	0	3,335	24,117	3,809	1,645	9,363	0	-
Ethane	5,826	0	1,919	12,481	535	0	669	0	-
Propane	873	0	1,416	7,123	1,857	1,645	612	0	-
Normal Butane	118	0	0	2,424	776	0	267	0	-
Isobutane	272	0	0	734	284	0	481	0	-
Natural Gasoline	233	0	0	1,355	357	0	7,334	0	-
Motor Gasoline Blending Components	6,416	0	734	1,740	1,209	41,585	4,027	0	4,347
Reformulated - RBOB	0	0	0	427	-	6,715	1,716	-	3,009
Conventional	6,416	0	734	1,313	1,209	34,870	2,311	0	1,338
CBOB	6,416	0	734	1,313	1,209	34,870	2,035	0	1,338
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	276	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	50	0	439	117	233	3,446	378	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	50	0	439	117	233	3,446	378	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	50	0	439	117	233	3,446	378	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	241	0	85	59	577	11,879	1,468	0	341
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,503	0	502	786	721	20,903	2,500	0	695
15 ppm sulfur and under	2,503	0	502	786	721	19,306	2,423	0	695
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	-	26	77	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	1,571	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,612	79	5,369	67,116	14,167	79,643	45,966	0	5,383

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 2018
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil¹	0	21,119	305	—	0	0
Petroleum Products²	0	8,609	8,370	2,522	0	0
Natural Gas Liquids	0	7,584	8,370	—	0	0
Ethane	0	1,837	2,939	—	0	0
Propane	0	3,090	2,809	—	0	0
Normal Butane	0	1,287	976	—	0	0
Isobutane	0	560	579	—	0	0
Natural Gasoline	0	810	1,067	—	0	0
Motor Gasoline Blending Components	0	348	0	1,288	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	348	0	1,288	0	0
CBOB	0	348	0	1,288	0	0
GTAB	—	—	—	—	—	—
Other	—	0	0	—	0	—
Renewable Fuels	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Renewable Diesel Fuel	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	316	0	749	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	316	0	749	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	316	0	749	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	29	0	20	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	332	0	465	0	0
15 ppm sulfur and under	0	332	0	465	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	29,728	8,675	2,522	0	0

— = No Data Reported.

¹ Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, March 2018
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil¹	53	50	—	385	1,602	—
Petroleum Products²	48	63	0	944	2,620	0
Natural Gas Liquids	—	0	—	0	0	—
Ethane	—	—	—	—	—	—
Propane	—	0	—	0	0	—
Normal Butane	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—
Unfinished Oils	48	0	—	0	389	—
Motor Gasoline Blending Components	0	0	—	459	454	—
Reformulated - RBOB	—	—	—	—	—	—
Conventional	0	0	—	459	454	—
CBOB	0	0	—	459	0	—
GTAB	—	—	—	—	—	—
Other	0	0	—	0	454	—
Renewable Fuels	0	0	0	0	837	0
Fuel Ethanol	0	0	—	0	807	—
Renewable Diesel Fuel	0	0	0	—	30	0
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	0	—	5	19	—
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	0	—	5	19	—
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	0	—	5	19	—
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	0	—	0	8	—
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	0	—	415	61	—
15 ppm sulfur and under	0	0	—	415	61	—
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—
Residual Fuel Oil	0	0	—	0	715	—
Less than 0.31 percent sulfur	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	0	0	—	—	64	—
Greater than 1.00 percent sulfur	0	0	—	0	651	—
Petrochemical Feedstocks	0	0	—	0	81	—
Naphtha for Petrochemical Feedstock Use	0	0	—	0	81	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—
Lubricants	0	63	—	0	0	—
Waxes	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	65	56	—
Miscellaneous Products	0	0	—	—	0	—
Total	101	113	0	1,329	4,222	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, March 2018
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil¹	3,076	—	3,076	—	0	—	0	0	0
Petroleum Products²	21,123	—	601	20,522	1,612	243	0	0	0
Natural Gas Liquids	30	—	—	30	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	30	—	—	30	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	0	—	—	—	233	—	0	0	0
Motor Gasoline Blending Components	10,809	—	332	10,477	534	—	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	10,809	—	332	10,477	534	—	0	0	0
CBOB	10,477	—	—	10,477	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	332	—	332	—	534	—	0	0	0
Renewable Fuels	478	—	—	478	0	243	0	0	0
Fuel Ethanol	478	—	—	478	0	—	0	0	0
Renewable Diesel Fuel	—	—	—	—	0	243	—	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	2,261	—	—	2,261	233	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,261	—	—	2,261	233	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	2,261	—	—	2,261	233	—	0	0	0
Finished Aviation Gasoline	53	—	—	53	10	—	0	0	0
Kerosene-Type Jet Fuel	3,364	—	—	3,364	0	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	3,350	—	—	3,350	248	—	0	0	0
15 ppm sulfur and under	3,350	—	—	3,350	248	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	94	—	—	94	0	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur	94	—	—	94	0	—	0	0	0
Petrochemical Feedstocks	36	—	—	36	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use	36	—	—	36	0	—	0	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	33	—	—	0	0
Lubricants	337	—	199	138	217	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	311	—	70	241	89	—	0	0	0
Miscellaneous Products	—	—	—	—	15	—	—	0	0
Total	24,199	—	3,677	20,522	1,612	243	0	0	0

— = No Data Reported.

¹ Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, March 2018
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	3,118	151	0	5,458
Propane	442	29	0	0	1,367	847	0	183
Propylene	0	0	–	–	327	430	–	–
Normal Butane	307	0	0	0	461	70	0	279
Isobutane	277	0	0	0	319	50	0	72
Fuel Ethanol	0	0	0	0	9,556	7,071	402	5,948
Biodiesel	0	0	0	0	–	326	35	150
Marketable Petroleum Coke	–	–	–	–	–	–	–	–
Asphalt and Road Oil	0	0	0	0	603	131	0	113

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	27	0	316	659	313
Propane	83	29	0	0	0	0	0	114
Propylene	0	0	–	–	0	0	0	–
Normal Butane	56	25	0	16	0	0	0	111
Isobutane	0	164	0	15	0	0	0	52
Fuel Ethanol	0	0	0	187	0	0	0	55
Biodiesel	–	0	0	0	–	0	0	0
Marketable Petroleum Coke	–	–	–	–	–	–	–	–
Asphalt and Road Oil	140	47	0	112	0	103	107	305

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	–
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	–	0	0	39
Marketable Petroleum Coke	–	–	–	–
Asphalt and Road Oil	0	0	0	0

– = No Data Reported.

Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, March 2018
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	80	53	0	133
3	79	50	0	129
4	0	—	0	0
5	—	—	0	0
From 2 to				
1	274	385	3,118	3,777
3	40,297	1,602	151	42,050
4	7,618	—	0	7,618
5	—	—	5,458	5,458
From 3 to				
1	185	3,076	0	3,261
2	28,230	0	0	28,230
4	0	—	0	0
5	—	—	27	27
From 4 to				
1	0	0	0	0
2	21,119	0	316	21,435
3	305	0	659	964
5	—	—	313	313
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, March 2018
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil¹	7,038	262	6,776	49,798	58,903	-9,105	43,143	31,518	11,625
Petroleum Products²	120,356	17,724	102,632	46,078	72,091	-26,014	47,773	126,429	-78,656
Natural Gas Liquids	7,296	8,377	-1,081	25,513	34,909	-9,396	33,483	11,426	22,057
Ethane	1,919	5,826	-3,907	8,332	14,935	-6,603	15,420	669	14,751
Propane	4,541	1,344	3,197	5,046	12,793	-7,747	10,808	2,399	8,409
Normal Butane	517	425	92	2,004	4,010	-2,006	3,470	364	3,106
Isobutane	319	549	-230	1,754	1,459	295	1,363	660	703
Natural Gasoline	0	233	-233	8,377	1,712	6,665	2,422	7,334	-4,912
Refinery Olefins	327	0	327	0	757	-757	430	0	430
Ethylene	-	-	-	-	-	-	0	0	-
Propylene	327	0	327	0	757	-757	430	0	430
Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	48	-48	281	389	-108	389	233	156
Motor Gasoline Blending Components	53,587	6,416	47,171	11,325	4,596	6,729	2,194	61,302	-59,108
Reformulated - RBOB	6,715	0	6,715	1,716	427	1,289	427	11,440	-11,013
Conventional	46,872	6,416	40,456	9,609	4,169	5,440	1,767	49,862	-48,095
CBOB	46,540	6,416	40,124	8,799	3,715	5,084	1,313	48,720	-47,407
GTAB	0	0	-	-	-	-	0	0	-
Other	332	0	332	810	454	356	454	1,142	-688
Renewable Fuels	10,034	0	10,034	0	24,326	-24,326	8,235	908	7,327
Fuel Ethanol	10,034	0	10,034	0	23,784	-23,784	7,878	665	7,213
Renewable Diesel Fuel	0	0	-	0	542	-542	356	243	113
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	6,151	50	6,101	977	813	164	136	6,318	-6,182
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	6,151	50	6,101	977	813	164	136	6,318	-6,182
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	6,151	50	6,101	977	813	164	136	6,318	-6,182
Finished Aviation Gasoline	53	0	53	10	0	10	0	63	-63
Kerosene-Type Jet Fuel	15,328	241	15,087	1,738	729	1,009	67	17,052	-16,985
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,170	2,503	22,667	5,583	2,485	3,098	847	27,696	-26,849
15 ppm sulfur and under	23,573	2,503	21,070	5,506	2,485	3,021	847	26,022	-25,175
Greater than 15 ppm to 500 ppm sulfur	26	0	26	77	0	77	0	103	-103
Greater than 500 ppm sulfur	1,571	0	1,571	0	0	-	0	1,571	-1,571
Residual Fuel Oil	94	0	94	0	715	-715	715	94	621
Petrochemical Feedstocks	36	0	36	0	81	-81	81	36	45
Naphtha for Petrochemical Feedstock Use	36	0	36	0	81	-81	81	36	45
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-	0	0	-
Special Naphthas	0	0	-	33	0	33	0	33	-33
Lubricants	337	63	274	217	0	217	63	554	-491
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	824	26	797	147	1,324	-1,178	840	0	840
Asphalt and Road Oil	1,119	0	1,119	239	967	-728	294	699	-406
Miscellaneous Products	0	0	-	15	0	15	0	15	-15
Total	127,394	17,986	109,408	95,875	130,994	-35,119	90,916	157,947	-67,031

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, March 2018
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil¹	7,618	22,711	-15,093	5,798	0	5,798
Petroleum Products²	7,025	20,783	-13,758	15,984	188	15,796
Natural Gas Liquids	3,809	16,231	-12,422	842	0	842
Ethane	535	4,776	-4,241	0	0	—
Propane	1,857	6,013	-4,156	297	0	297
Normal Butane	776	2,374	-1,598	406	0	406
Isobutane	284	1,191	-907	139	0	139
Natural Gasoline	357	1,877	-1,520	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	1,209	1,636	-427	5,635	0	5,635
Reformulated - RBOB	—	—	—	3,009	0	3,009
Conventional	1,209	1,636	-427	2,626	0	2,626
CBOB	1,209	1,636	-427	2,626	0	2,626
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Renewable Fuels	476	55	421	6,583	39	6,544
Fuel Ethanol	402	55	347	6,190	0	6,190
Renewable Diesel Fuel	74	0	74	393	39	354
Other Renewable Fuels	—	—	—	0	0	—
Finished Motor Gasoline	233	1,065	-832	749	0	749
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	233	1,065	-832	749	0	749
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	233	1,065	-832	749	0	749
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	577	49	528	361	0	361
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	721	797	-76	1,160	0	1,160
15 ppm sulfur and under	721	797	-76	1,160	0	1,160
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	0	435	-435	126	150	-24
Asphalt and Road Oil	0	514	-514	529	0	529
Miscellaneous Products	0	0	—	0	0	—
Total	14,643	43,494	-28,851	21,782	188	21,594

— = No Data Reported.

¹ Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

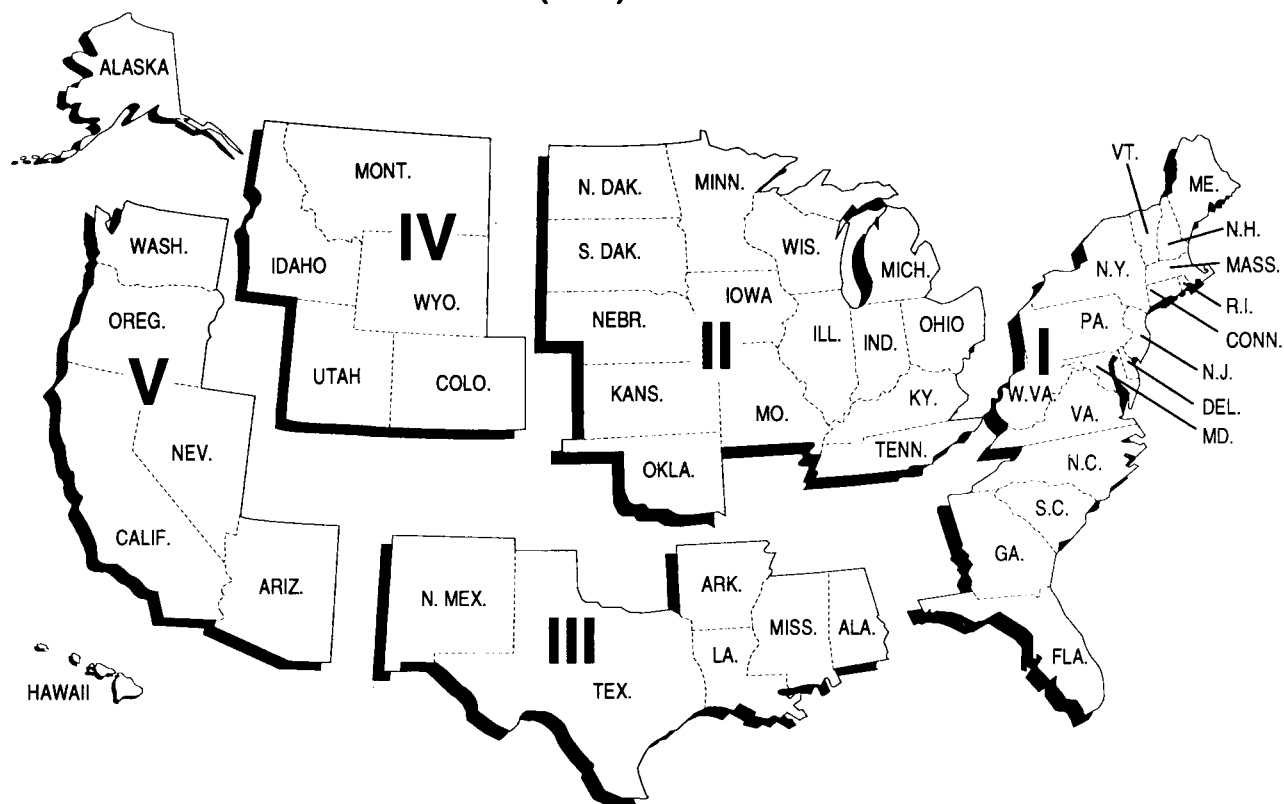
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

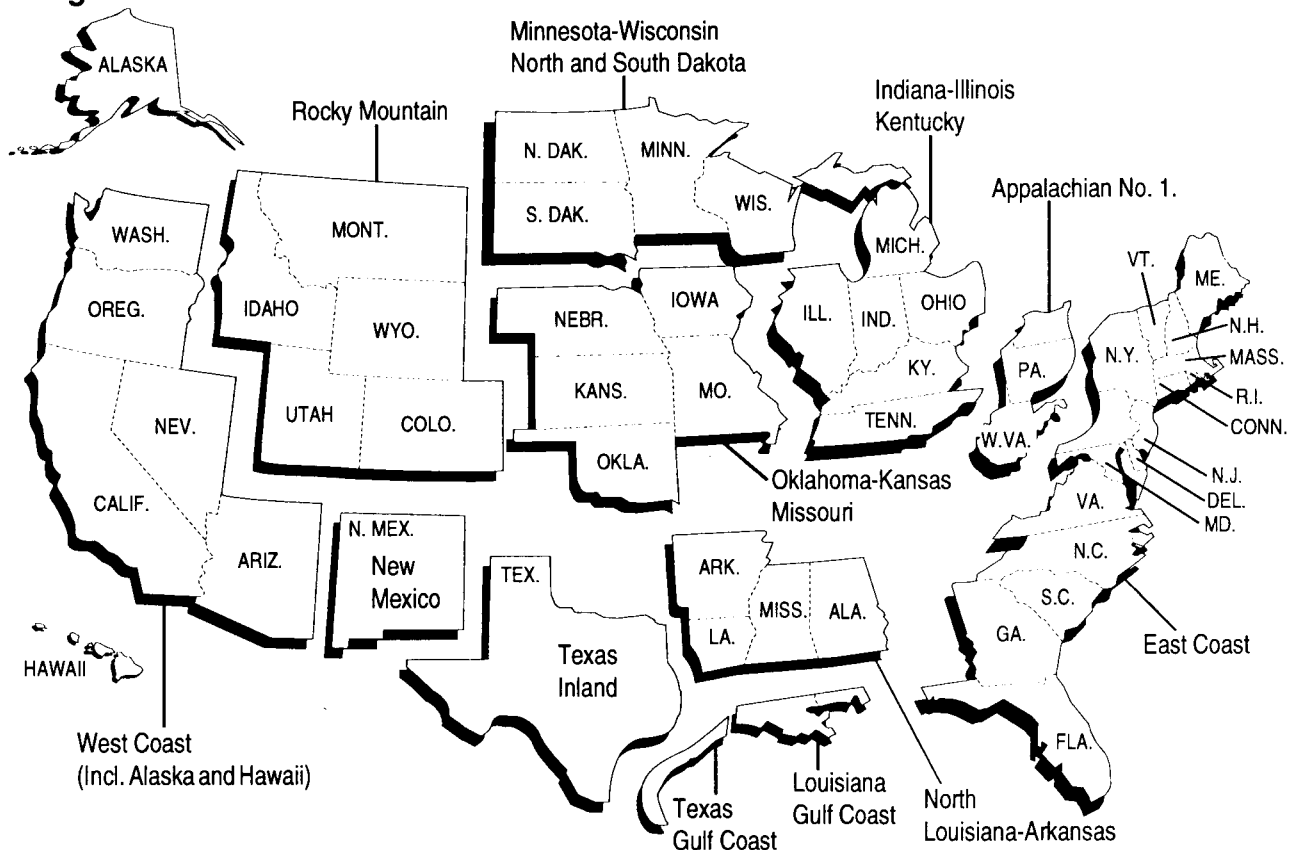
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



PSM Explanatory Notes

Preface

The *Petroleum Supply Monthly (PSM)* is the monthly component of a series of three publications concerning the supply and disposition of crude oil and petroleum products produced by the Petroleum Division of the Energy Information Administration (EIA). The other two components are the *Weekly Petroleum Status Report (WPSR)* and the *Petroleum Supply Annual (PSA)*. Together these publications present a comprehensive snapshot of petroleum supply data on a weekly, monthly and yearly basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

The PSM tables present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Final statistics for the data series published in the *PSM* are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.

Appendix B. Explanatory Notes

1. Overview

A. The Energy Information Administration's Quality Guidelines

The data contained in the *Petroleum Supply Monthly (PSM)* are subject to separate information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM are often interpreted as an approximation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum products from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries and blending terminals, gas processing plants and fractionators, oxygenate producers, biodiesel producers, imports, exports, bulk storage terminals, and pipelines. Total product supplied in the PSM at the U.S. level is equal to the sum of field production, plus refinery and blender net production, plus renewable fuels, and oxygenate plant net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Net receipts are added as a component of supply at the PAD District level. Crude oil product supplied is normally zero because crude oil is processed in refineries and rarely, if ever, used directly.

The secondary system is that portion of the overall distribution network that falls between producers and end-users. Product typically flows in bulk from the primary supply system into the secondary system before delivery in small quantities to consumers (the tertiary system). The secondary system includes storage at bulk plants; at retail motor fuel outlets, such as service stations, truck stops, and convenience stores; and at retail fuel oil dealers. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, by definition, receive product only by tank car or truck, not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, jet fuel stored in facilities operated by end users, and certain proprietary storage of raw materials (e.g. propane) for the chemical industry.

Data users sometimes consider demand as sales to the ultimate consumer or as the actual consumption of the product. Since there may be time delays between the movement of product into the primary market and its ultimate purchase or consumption, these definitions of demand require data on changes in secondary and/or tertiary stocks or the assumption that these values either remain constant or are small

compared to primary supply. The most recent study of secondary stocks was done by the National Petroleum Council in 1989. This study revealed that secondary distillate stocks were equal to about 6.9 percent of distillate stocks and 6.7 percent of distillate storage capacity.

C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes oxygenates (fuel ethanol, ETBE, MTBE, and other oxygenates) plus negative production of pentanes plus, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants as well as biodiesel. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Form EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender net inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the

same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 60.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. Adjustment quantities are derived either to balance supply and disposition for selected products or to reclassify one product to another product. Product supplied is the balancing item for most products and is interpreted as an implied measure of petroleum demand. Adjustments are used in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

(2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, liquefied petroleum gases, pentanes plus, hydrogen, oxygenates, renewable fuels, and other hydrocarbons) that are processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Inputs of natural gas plant liquids are refinery input of natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas plant liquids are reported on a gross basis.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery input minus refinery production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied value indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, product supplied for crude oil is assumed equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in Petroleum Navigator were revised beginning with data for January 2005 to exclude lease stocks. Petroleum Navigator data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm

2. Components - Forms Discussions

The data presented in the PSM include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data obtained from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Terminal Blender Report,"
6. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey,"
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Terminal Blender Report,"
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Oxygenate Report"

17. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pet_survey_forms.html

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included. Product pipeline tank storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis. Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks. Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts

are not included. Crude oil storage capacity of tank farms is collected on a semi-annual basis.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, and gasoline blending components only.

The Form EIA-815, “Monthly Terminal Blender Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on a semi-annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Oxygenate Report” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Fuel ethanol storage capacity is collected on a semi-annual basis.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities

currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Terminal Blender Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands,

Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, "Monthly Natural Gas Liquids Report" include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, "Monthly Tanker and Barge Movement Report" include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, "Monthly Oxygenate Report" include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

(3.) Collection

Survey data for the MPSRS are collected by facsimile, email, Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies

result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Imputation is performed for companies that fail to file Forms EIA-22M, 810, 812, 813, 815, 816, and 819. For these companies, previous monthly values and values reported on the weekly survey forms are used if available. Data for nonrespondents to the Forms EIA-814 and 817 are not imputed because respondent-level data for these surveys are highly variable.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

(6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, "Comparison of Independent Statistics on Petroleum Supply." Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

(7.) Dissemination

The *PSM* data are normally released within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available on the web product, Petroleum Navigator. Petroleum Navigator provides an interface for accessing a comprehensive set of EIA's petroleum data. Features include: downloadable spreadsheets containing complete data history, data tables which "pivot" to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum Navigator can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 "Domestic Crude Oil First Purchase Report." For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, "Production of Crude Oil by PAD District and State." Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum

Navigator and the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a "Shipper's Export Declaration Document" with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-915 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Once the data necessary for calculating rail movements become available, which may take as long as 60 days after the end of a calendar quarter, EIA will revise the estimates made.

Movements of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane by rail are based on EIA analysis of carload data from the STB CWS. Additional data from the NEB, OGSM, and the EIA-915 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, and isobutane are converted to barrels using data from the CWS.

Carload data from the STB are available approximately 60 days after the end of each quarter. For example, carload data for the first quarter of each year are typically available by about June 1. Therefore, recent-month rail movements reported by EIA in the Petroleum Supply Monthly and Petroleum Navigator are modeled based on historical rail movement averages, medians, or correlations of rail movements derived from actual carload data with other regional supply data collected by EIA or other sources including field production, imports, refinery and blender inputs, movements other than rail, exports, and supply adjustments.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available through Petroleum Navigator on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum Navigator tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL Adjustment)

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas

processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and pentanes plus also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), "other" motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and "other" motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each

PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated

to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum

of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of fuel ethanol between PAD Districts, and so allocation of fuel ethanol adjustments to PAD Districts is based on the ratio of fuel ethanol blending reported on surveys in each PAD District divided by fuel ethanol blending reported on surveys for the entire U.S. In this case, Fuel ethanol implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Fuel ethanol implied net receipts are the balancing item between total supply and disposition in each PAD District. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum

supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of biodiesel between PAD Districts, and so allocation of fuel biodiesel adjustments to PAD Districts is based on the ratio of biomass-based diesel blending reported on surveys in each PAD District divided by biomass-based diesel fuel blending reported on surveys for the entire U.S. Biodiesel implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Biodiesel implied net receipts are the balancing item between total supply and disposition in each PAD District. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and to total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol).

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the Previously published Petroleum Supply Annual every month in the Petroleum Supply Navigator (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in the Petroleum Supply Navigator.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form.

The information reported on Forms EIA-810 through 813, 815 through 817, 819, and 820 will be protected and not disclosed to the

public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
BP Products North America	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	58
Fuel Ethanol	NY	10
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

Definitions of Petroleum Products and Other Terms

(Revised May 2010)

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$ (e.g., methanol, ethanol, and tertiary butyl alcohol).

Alkylate. The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Atmospheric Crude Oil Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Aviation Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

Barrel. A unit of volume equal to 42 U.S. gallons.

Barrels Per Calendar Day. The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

Benzene (C_6H_6). An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

Biomass-Based Diesel Fuel. Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

Blending Components. See *Motor or Aviation Gasoline Blending Components*.

Blending Plant. A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

Bonded Petroleum Imports. Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

BTX. The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

Bulk Station. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

Bulk Terminal. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

Butane (C_4H_{10}). A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Normal Butane (C_4H_{10}). A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

Refinery-Grade Butane (C_4H_{10}). A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

Butylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes.

Captive Refinery Oxygenate Plants. Oxygenate production facilities located within or adjacent to a refinery complex.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Commercial Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Conventional Blendstock for Oxygenate Blending (CBOB). See *Motor Gasoline Blending Components*.

Conventional Gasoline. See *Motor Gasoline (Finished)*.

Crude Oil. A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

Crude Oil, Refinery Receipts. Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

Crude Oil Losses. Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

Crude Oil Production. The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

Crude Oil Qualities. Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Desulfurization. The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See **Catalytic Hydrotreating**.

Disposition. The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

No. 1 Distillate. A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 1 Diesel Fuel. A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See **No. 1 Distillate**.

No. 1 Fuel Oil. A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate**.

No. 2 Distillate. A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 2 Diesel Fuel. A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate**.

Low Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

High Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

No. 4 Fuel. A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

No. 4 Diesel Fuel. See **No. 4 Fuel**.

No. 4 Fuel Oil. See **No. 4 Fuel**.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ending Stocks. Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

ETBE (Ethyl tertiary butyl ether) (CH₃)₃COC₂H₅. An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

Ethane (C₂H₆). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene (C₂H₄). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

Exports. Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

Flexicoking. A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fresh Feed Input. Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

Fuel Ethanol (C₂H₅OH). An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Gasoline Treated as Blendstock (GTAB). See **Motor Gasoline Blending Components**.

Gross Input to Atmospheric Crude Oil Distillation Units. Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Heavy Gas Oil. Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

High-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 500 ppm.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Imports. Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Isobutane (C_4H_{10}). A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

Isobutylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C_6H_{14}). A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C_4), an alkylation process feedstock, and normal pentane and hexane into isopentane (C_5) and isohexane (C_6), high-octane gasoline components.

Isopentane. See *Natural Gasoline and Isopentane*.

Kerosene. A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

Kerosene-Type Jet Fuel. A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

Commercial. Kerosene-type jet fuel intended for use in commercial aircraft.

Military. Kerosene-type jet fuel intended for use in military aircraft.

Lease Condensate. A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

Light Gas Oils. Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

Liquefied Petroleum Gases (LPG). A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

Low-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

Lubricants. Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Merchant Oxygenate Plants. Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

Methanol (CH_3OH). A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

Middle Distillates. A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

Military Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

Conventional Gasoline. Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

Ed 55 and Lower. Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

Greater than Ed55. Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

OPRG. "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

Oxygenated Gasoline (Including Gasohol). Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

Reformulated Gasoline. Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

Reformulated (Blended with Alcohol). Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

Reformulated (Blended with Ether). Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

Reformulated (Non-Oxygenated). Reformulated gasoline without added ether or alcohol components.

Motor Gasoline Blending. Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

Conventional Blendstock for Oxygenate Blending (CBOB). Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

Gasoline Treated as Blendstock (GTAB). Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

Reformulated Blendstock for Oxygenate Blending (RBOB). Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

RBOB for Blending with Alcohol. Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

RBOB for Blending with Ether. Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

All Other Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

MTBE (Methyl tertiary butyl ether) $(CH_3)_3COCH_3$. An ether intended for gasoline blending as described in Oxygenate definition.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

Naphtha Less Than 401° F. See *Petrochemical Feedstocks*.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

Natural Gas. A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Liquids. Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

Natural Gas Plant Liquids. Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gas Processing Plant. Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}) , obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Receipts. The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

Normal Butane. See *Butane*.

OPEC. An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current members (with years of membership) include Algeria (1969-present), Angola (2007-present), Ecuador (1973-1992 and 2007-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-present), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and Venezuela (1960-present).

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operable Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Operating Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives and gilsonite. Excludes natural gas used for fuel or hydrogen feedstock.

Other Oils Equal To or Greater Than 401° F. See *Petrochemical Feedstocks*.

Other Oxygenates. Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Oxygenated Gasoline. See *Motor Gasoline (Finished)*.

Oxygenates. Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Fuel Ethanol. Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

Methanol. Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

MTBE (Methyl tertiary butyl ether). Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that

the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Persian Gulf. The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

Naphtha Less Than 401° F. A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

Other Oils Equal To or Greater Than 401° F. Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

Petroleum Administration for Defense (PAD) Districts. Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

Petroleum Coke. A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Catalyst Coke. In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Pipeline (Petroleum). Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Processing Gain. The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

Processing Loss. The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Product Supplied, Crude Oil. Crude oil burned on leases and by pipelines as fuel.

Production Capacity. The maximum amount of product that can be produced from processing facilities.

Products Supplied. Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

Propane (C_3H_8). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene (C_3H_6). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C_3H_6) (nonfuel use). Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

Refinery-Grade Butane. See *Butane*.

Refinery Input, Crude Oil. Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

Refinery Input, Total. The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

Refinery Production. Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

Refinery Yield. Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

Reformulated Blendstock for Oxygenate Blending (RBOB). See *Motor Gasoline Blending Components*.

Reformulated Gasoline. See *Motor Gasoline (Finished)*.

Renewable Fuels (Other). Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

Residual Fuel Oil. A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

Stock Change. The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Supply. The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

TAME (Tertiary amyl methyl ether) $(CH_3)_2(C_2H_5)COCH_3$. An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

Tank Farm. An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

Tanker and Barge. Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal

to a PAD District.

TBA (Tertiary butyl alcohol) $(CH_3)_3COH$. An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene $(C_6H_5CH_3)$. Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

Ultra-Low Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

Unaccounted for Crude Oil. Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

Unfinished Oils. All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

United States. The United States is defined as the 50 States and the District of Columbia.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point

(ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

Working Storage Capacity. The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene ($C_6H_4(CH_3)_2$). Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.